Missing: Nos. 11, 16-17, 22

Vol. 8.] 1908. [No. 1.
(WITH SUPPLEMENT.)
Tuesday, 14th January.

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THE Australian Official Journal of Patents.



Notices.

Applications Received, 10,581 to 10,613.

Commonwealth Proceedings.

Vol. 7.—Part B, Annual Name Index, 1907, in separate cover.

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C.155.

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NOTICE IS HEREBY GIVEN that the INTERNATIONAL CIGAR MACHINERY COMPANY is prepared to satisfy all reasonable requirements of the public with respect to the undermentioned Australian Patents, viz.,—

No. 3080, dated 1st May, 1905. "Improvements in cigar machines."

No. 8375, dated 3rd April, 1907. "Improvements in cigar machinery."

Full particulars for the purposes of exploitation, manufacture, or licence may be obtained from—

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The security and value of a Patent depends on the manner in which the SPECIFICATIONS, CLAIMS, and DRAWINGS have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of GRIFFITH & ALLEN, a long established and experienced firm of Patent Attorneys and Consulting Engineers,

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All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

Subscriptions for 1908.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 7, Statistics and Indexes for 1907, and the Weekly Numbers of Vol. 8 for 1908, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Vol. 7.—Statistics and Indexes, 1907.

With this number, Part B, Name Index to Commonwealth Proceedings during 1907, is issued in a green cover.

List of Patent Attorneys registered up to 31st December, 1907.

ABELL, Edward Garland, 159 Queen-street, Brisbane, Queensland.

ALLEN, Thomas Con (*Griffith and Allen*), Williamson's Chambers, 163 King-street, Sydney, N.S.W.; and 9 Queen-street, Melbourne, Victoria.

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BAYSTON, Walter Smythe, Market Buildings, 441 Collins-street, Melbourne, Victoria.

BEAR, Jonathan (*Bear, Watson, and Co.*), 369 Collins-street, Melbourne, Victoria.

BEAR, Leslie Lawton (*Bear, Watson, and Co.*), 369 Collins-street, Melbourne, Victoria.

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LE PLASTRIER, Cecil Woods, 533 Collins-street, Melbourne, Victoria.

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MALLINSON, Robert George, 82 Pitt-street, Sydney, N.S.W.

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NEWTON, William Manfield, 95 Elizabeth-street, Sydney, N.S.W.

PARK, Andrew John, care of Upton and Plante, Solicitor, 48 Queen-street, Melbourne, Victoria.

List of Patent Attorneys registered—*continued.*

PHILLIPS, Edwin (*Phillips, Ormonde, and Co.*), 533 Collins-street, Melbourne, Victoria.

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COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 3rd to 8th January, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Friday, 3rd January.

10,581. *Comp.* Reginald Hugh HUNTER-WESTON, Cottersbrook Station, Middlemarch, Otago, N.Z., farmer,

"Rabbit exterminator."

10,582. *Prov.* John THURLOW, Alice-street, Albion, Qld., engineer,

"An improved folding chair."

10,583. *Comp.* Henry Arthur GODDARD, 96 Eagle-street, Brisbane, Qld., merchant (*assignee of* Randall Victor FFRENCH, *act. inv.*, "Donibristle," Heal-street, New Farm, Qld., electrician),

"An improved electric apparatus for branding."

10,584. *Comp.* Charles Jennings HILLMAN, 1 Dyers Buildings, Holborn, London, Eng., draughtsman,

Application under Sec. 121.

[Date applied for 18th Jan., 1907, being date of application in Great Britain, No. 1359/07.]

"A new or improved photographic printing device particularly applicable for use in the duplication of drawings."

10,585. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* William Roderick BARCLAY, commercial traveller, and Arthur BATES, engineer, *act. invs.*, both of Leicester, Leicestershire, Eng.),

"Improvements in heel building machines."

10,586. *Comp.* Richard WIGHTMAN, 437 5th-avenue, New York, U.S.A., manufacturer,

"Improvements in advertising devices."

Saturday, 4th Jauuary.

10,587. *Comp.* Edward Goodrich ACHESON, Stamford, Welland, Ontario, Canada, engineer,

"Improvements in method of preparing non-aqueous mixtures and products thereof."

10,588. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* James CAVANAGH, *act. inv.*, 50 Bicknell-street, Dorchester, Boston, Mass., U.S.A., inventor),

"Improvements in or relating to lasting machines."

10,589. *Prov.* John GRINTER, East Geelong, Vic., contractor,

"An improved machine for levelling and grading land."

10,590. *Prov.* George COOLING, C/o. Harringtons Ld., Queen-street, Brisbane, Qld., photographers,

"Compound blower for air water etc & for airships propellor."

Monday, 6th January.

10,591. *Prov.* Arthur Gordon NIEMANN, Chapple-street, North Broken Hill, N.S.W., sheet metal worker,

"Expansion governor for steam engine."

10,592. *Prov.* William Henry COX, 82 William-street, Melbourne, Vic., inventor,

"Improvement in spring traps of the jaw type."

Applications received, 3rd to 8th January—*continued.*

10,593. *Prov.* Charles Stanley BURGESS, National Mutual Buildings, King William-street, Adelaide, S.A., patent attorney (*communicatee of* ANGLO-CONTINENTALE (VORMALS OHLENDORFF'SCHE) GUANO-WERKE, 27 Berg-strasse, Hamburg, Germany, manufacturers, *assignee of the act. inv.*),

"An aerating mill for fresh superphosphate and other warm materials in a damp condition."

10,594. *Prov.* Charles Stanley BURGESS, National Mutual Buildings, King William-street, Adelaide, S.A., patent attorney (*communicatee of* ANGLO-CONTINENTALE (VORMALS OHLENDORFF'SCHE) GUANO-WERKE, 27 Berg-strasse, Hamburg, Germany, manufacturers, *assignee of* Anton Peter KELLER, *act. inv.*, Bergedorf, near Hamburg, Germany, engineer),

"Improvements in apparatus for emptying superphosphate pits or chambers."

10,595. *Prov.* David MONTGOMERY, "Millwood," Holt's Flat, *viâ* Nimitybelle, N.S.W., builder, contractor, and farmer,

"The pony poison distributor."

10,596. *Comp.* Emma Jane WALKER, Brunswick-street, New Farm, near Brisbane, Qld.,

Application under Section 7.

(Queensland, 7397.)

"Improvements in cooling safes or containers for comestibles and the like."

10,597. *Prov.* Alexander MCKAY, 67 Darling-street, Balmain, N.S.W., engineer,

"Improvements in outrigger boats speed launches and like light hulled vessels."

10,598. *Prov.* Frederick Charles BESLEY, 56 Hunter-street, Sydney, N.S.W., accountant, and William Henry Gregory GEAKE, "Dunolly," Musgrave-street, Mosman, N.S.W., manufacturer's agent,

"Book retaining apparatus with holders for attaching advertising or other matter."

10,599. *Prov.* James Stephen EMERSON and Edward Joseph BERGIN, both of Germanton, N.S.W., labourers,

"Dogs head wire strainer."

10,600. *Comp.* Frederick A. DOUSE, 2610 4th-avenue, Seattle, Washington, U.S.A., mariner,

"An improvement in propellers."

10,601. *Prov.* Frederick Lyman ALLEY, 83 Clarence-street, Sydney, N.S.W., engineer,

"Improvements in beating machines for finishing boots and shoes."

Tuesday, 7th January.

10,602. *Prov.* Julius Nelson ELLIS, Carlisle-street, Ashfield, N.S.W., mechanical engineer,

"Improved method and apparatus for the prevention of smoke from steam boilers."

10,603. *Comp.* Francis Ernest STOWE, Young-street, Croydon, N.S.W., civil engineer,

"An improved flushing cistern for closets."

10,604. *Prov.* William HALE, 392-4-6 Lygon-street, Carlton, Vic., manufacturer of perambulators,

"Improved means for rocking perambulators or go-carts."

10,605. *Prov.* John Henry CLARK, 342 Little Collins-street, Melbourne, Vic., contractor (*communicatee of* William Lacy CLARK, *act. inv.*, 57 & 58 Chancery-lane, London, W.C., Eng., inventor),

"Improvements in appliances for disinfecting, distributing perfumes and the like for air purification in lavatories, earth and water closets, hospital wards and the like."

Wednesday, 8th January.

10,606. *Comp.* Samuel Walter NEWCOMB, 206 Upper Thames-street, London, Eng., engineers' agent,

"Improvements in means for checking or preventing side slip of vehicles."

10,607. *Comp.* William James DUNNACHIE, Viewfield, Coatbridge, Lanarkshire, Scot.,

"Process for the manufacture and recovery of ammonia and other bye-products and for improving the quality of the tar in the gases of blast and other furnaces, retorts, coke ovens and the like."

Applications received, 3rd to 8th January—*continued.*

10,608. *Comp.* James Wilson HUELIN, 49 Elizabeth-street, Melbourne, Vic., commercial traveller,

"An improved smoke preventer for boiler furnaces."

10,609. *Comp.* Giuseppe MAZZOLINI, N. 15 Via Palestro, Rome, Italy, gentleman,

"Improvements in devices for mechanically and simultaneously shutting, locking or opening a plurality of doors, hatchways, bulkheads &c., from a distant point of operation."

10,610. *Prov.* George Henry SMALL, Narraport, Vic., farmer, and George GIBBINS, 32 Cowper-street, Footscray, Vic., agricultural implement maker,

"Improvements in ploughs."

10,611. *Comp.* Frederick LIVINGSTONE, 36 Mark-lane, London, Eng., merchant,

Application under Sec. 7.

[N.S.W., 13,879; Vic., 21,349; Qld., 7670; S.A., 8885/6467; W.A., 4819; Tas., 4029.]

"Method and apparatus for preparing a food for cattle and other animals."

10,612. *Prov.* Benjamin Walter BENN, Woorayl Vale, Mirboo South, Gippsland, Vic., farmer,

"An improvement in milking machines."

10,613. *Prov.* Francis Hedley COUNSELL, Grenfell-street, Adelaide, S.A., architect,

"An adjustable balance handle and buffer for ventilator cords and the like."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

9945. Paul, C. H. R.
Tailors and dressmakers measuring and pattern designing instrument.

10,236. Day, H. A.

10,272. Matson, G. J.
Reversible double life-boat in conjunction with life-boat cradle.

10,298. White, W. C.

10,304. Bedford, A. J., & Rolfe, H. C. L'O.

10,332. Harris, J.

10,339. Dugins, W. F.

10,340. McKay, A., & McDonald, A.

10,341. Shattock, H. A.

10,342. Fletcher, R. J.

10,343. Newman, C., & Sadler, M. T.

10,345. Wise, F. W.

10,352. Roughsedge, H. J.

10,355. Fergusson, J.

10,358. Jeffreys, C. A.

10,364. Bolton, A. J. J.

10,365. Van Wye, G. P.

10,367. Baker, T.

10,371. Un. Shoe Mach. Co. (Bates)

10,375. Dugins, W. F.

10,377. Burrows, J. F.

10,383. Steele, R.

10,385. Furness, A. E.

10,387. Soilleux, W. R.

10,389. Millen, E. D.

10,390. Griffin, J., & Galbraith, K. T. (Wilson)

10,391. Butcher, S.

10,402. Broken Hill S. Sil. Mining Co. No. Liab. (Wainwright)

10,435. McKay, A., & McDonald, A.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8388. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Ronald Francis McFEELY, *act. inv.*, Beverly, Essex, Mass., U.S.A., inventor),

"Improvements in or relating to pulling-over and like machines." 3rd Jan., 1908.

8389. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Frederick Henry PERRY, *act. inv.*, Beverly, Essex, Mass., U.S.A., inventor),

"An improved construction of wire for the manufacture of metallic fasteners." 3rd Jan., 1908.

8425. Francis MALLEY, Liverpool and Kent streets, Sydney, N.S.W., iron and metal worker,

"Improved combing for skylights and other openings." 6th Jan., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

8451. William Henry BLACKHAM, 59-61 King-street, Melbourne, Vic., merchant (*assignee of* William John TEESE, *act. inv.*, 80 William-street, Balaclava, Vic., engineer),

"An improved milking machine teat cup support." 8th Jan., 1908.

8488. James Taylor CARRICK, 1 Bain's Buildings, Commissioner-street, Johannesburg, Transvaal, S.Af., geologist, and Basil Stuart PATTISON, 128 Cullinan Building, Simmonds-street, Johannesburg, Transvaal, S.Af., contractor,

"Improvements in treating sulphide ores." 6th Jan., 1908.

8495. Thomas DUFF, 398 and 400 Swanston-street, Melbourne, Vic., shop fitter,

"An improvement in the method of constructing and fixing brackets or clips used for fixing plate glass and in fixing plate glass in shop fronts, show cases and the like." 3rd Jan., 1908.

8555. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Benjamin Franklin MAYO, *act. inv.*, Salem, Essex, Mass., U.S.A., inventor),

"Improvements in lock stitch, wax thread, shoe sewing machines." 4th Jan., 1908.

8565. UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* John Benjamin HADAWAY, *act. inv.*, Brockton, Plymouth, Mass., U.S.A., inventor),

"Improvements in or relating to sewing machine lubricators and the like." 4th Jan., 1908.

8685. Archiebald McLEOD, 21 Hobb-street, Footscray, Vic., shearer,

"An apparatus for the determination of the amount of moisture in wool or like substances." 6th Jan., 1908.

8761. Ellis SUTTON, Isisford, Qld., licensed victualler,

"An automatic regulator for windmills." 10th Dec., 1907.

8772. Airry Luvvell FINNELL, *act. inv.*, Hotel Churchill, corner Broadway and 14th-street, Manhattan, New York, U.S.A., inventor, and Ernest SCHERNIKOW, *assignee*, 200 West 79th-street, Manhattan, New York, U.S.A., president,

"Improvements in vehicle tyres." 4th Jan., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8148. Cooper, Mary E. & E. G.
8154. Parker, E. H.
8155. Smith, A. F.
8156. Cleaver, G. H.
8157. Miller, J.
8158. Gayner, T. H. B., & Jordon, J.
8160. Clark, E. S.
8163. Avern, Marion (Suttor)
8165. Craven, A. T.
8168. Nell, H. G. H.
8170. Napier, W. J.
8171. Ballingall, D.

Assignments Registered.

1906.

6186. "Improvements in or relating to apparatus for removing dust by suction from carpets, furniture, or the like."

Assignment of the whole *by* Jules René BLUM *to*

THE INTERNATIONAL ASPIRATOR COMPANY LIMITED. Dated 14th Nov., 1907. Registered 3rd Jan., 1908.

6839. "Improved means for balancing single-flow fluid-pressure turbines."

Assignment of the whole *by* William James Albert LONDON *to*

THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY LIMITED. Dated 18th Nov., 1907. Registered 3rd Jan., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1906.

7537. Potts, J.

1907.

7710.*Scheimpflug, T.
7711. The Western Syndicate Ld. (Jacobs & Insell)
7791. Raven, F.
7937. Ryall, E. F.
8003. Huguet, H. J. M. A.
8087. Società di Esportazione Polenghi-Lombardo (Soncini)
8176. Pilcher, N. G.
8314. Palmer, *Sir* W., & Blackmore, F. E.
9111.*Waters, E. N. (North & Parker)
9157. Zeitlin, J.
9480. Ransome - Internat. Conduit Co. (Ransome)
9483. The Middleton Pneu. Hub. Co. (1906) Ld. (Stevenson)
9484. Dalén, G.
9488. The Brit. Westinghouse E. & M. Co. Ld. (Sweet)
9492. Marconi's Wireless Tele. Co. Ld. (Marconi)
9509. Turri, G. G. (Blaisdell & Brooks)
9544. Kidder, W. P.
9545. Kidder, W. P., & Sponsel, C. W.
9546. Kidder, W. P., & Sponsel, C. W.
9562. Clark, R. O.
9568. Christian, H. H., Prime, W. G., Fisher, R., & Prime, F. P.
9572. Myers, R. P.
9576.*Bethune-Baker, G. T.
9581. Coombs, J. G.
9583. Masson, J. R.
9585. Duncan, W. H.
9617. Gunther, E., & Franke, R.
9618. The Australian Dropper Co. Ld. (Barrett)
9621. Morisons, J. L.
9623. H. J. West & Co. Ld. (Webster & Chew)
9649. Speirs, P.
9650. Bissaker, C. H.
9651. Grime, J., & Stirrat, R.
9659. Shacklock, J. B.
9660. Staer, F. G., & Crouch, L.
9664. Jackson, A. G.
9677. "Z" Elec. Lamp Synd. Ld. (Zerning)
9680. Parsons, *Hon.* C. A.
9682. Bök, N. S
9683. Bök, N. S.
9684. Chamberlain, C. M.
9685. Fraser, J. J.
9695. McBride, G. W. (Henry, W. J., & E. S.)
9756. Wakefield, C. C.
9781. Hope-Johnstone, C. H. E. (Litsche)
9782. Hope-Johnstone, C. H. E. (Bachaus)
9909. Hardy, H. M.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

In the following cases the particulars have been revised or varied, and are now printed in full:—

7710. Theodor SCHEIMPFLUG, 39 Sternwartestrasse, Vienna, XVIII., Austria, captain,

"Improvements in and relating to photographic surveying."

9111. Edward Needham WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* LINOTYPE AND MACHINERY LIMITED, 188 and 189 Fleet-street, London, Eng., *assignees of* Thomas Merrifield NORTH, *act inv.*, 188 & 189 Fleet-street, London, Eng., and Thomas Robert Gillett PARKER, *act. inv.*, The Linotype Works, Broadheath, Altrincham, Chester, Eng.),

"Improvements in sheet inverting apparatus for use in connection with printing machines."

9576. George Thomas BETHUNE-BAKER, Clarendon-road, Edgbaston, Birmingham, Warwickshire, Eng., gentleman (*assignee of* Timothy SHEPHERD, *act. inv.*, 108 Oakfield-road, Birmingham, Warwickshire, Eng),

"An improved vehicle wheel."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

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WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.1	Spring coupled 2-tooth scape-wheel for striking trains; electric release, &c.	Jackson		9664
00.4	Contoured maps, &c., from bird's-eye photos; zonal scale methods. (56.4)	Scheimpflug		7710
00.8	Vessels and weigh beam, &c.; specific gravity of milk. (36.2; 56.2; 56.6)	Potts	C.a.P.	7537
00.8	Electrically operated clutch with barometric control. (68.2; 69.4)	Zeitlin		9157

Group 01.—Acoustics.

01.7	Diaphragms; stiffened centres; flexible or corrugated rims; 11 patterns. (05.6)	Coombs		9581
01.8	Temporary music covers; stiff backs and cord attachment. (48.8)	Henry		9695

Group 04.—Electric Apparatus.

04.3	Excess temperature short circuit switch; for arc lamps. (06.2) ...	Myers		9572

Group 05.—Telegraphy and Telephony.

05.2	Neutralizing induction from power circuits by extra message circuits, transformers, &c. (05.7)	Sweet		9488
05.5	Wireless receiving station using oscillation valve *as* 3760/05. (06.1)	Marconi		9492
05.6	Diaphragms; stiffened centres; flexible or corrugated rims; 11 patterns (01.7)	Coombs		9581
05.7	Neutralizing induction from power circuits by extra message circuits, transformers, &c. (05.2)	Sweet		9488

Group 06.—Electric Lamps.

06.1	Wireless receiving station using oscillation valve *as* 3760/05. (05.5)	Marconi		9492
06.2	Hot wire arc lamp; excess current switch. (04.3)	Myers		9572
06.4	Decarbonizing metallic filaments by action of phospham, &c. ...	Zerning		9677

Group 07.—Electrolysis and Batteries.

07.6	Use of nickel copper matte as anode in copper sulphate bath, to separate nickel. (14.1; 15.5)	Gunther		9617

Group 09.—Organic Chemistry.

09.9	Coagulating and preserving casein in milk and whey by SO_2. (36.9)	Soncini		8087
09.9	Converting milk casein into soluble albumen, by trypsin, rennet, &c. (36.3; 36.9)	Bachaus		9782

Group 10.—Crushing and Grinding.

10.5	Disc-grinders on horizontal shafts; adjustment of fixed disc ...	Fraser		9685
10.8	Oscillating jaw-kneaders for biscuits, &c.; adjustable cranks. (34.6; 60.3)	Palmer	C.a.P.	8314

Complete Specifications Accepted—*continued.*

Group 13.—Amalgamation.

13.6	Preventing oxidation of mercury by hyposulphites, &c.	Huguet	8003

Group 14.—Leaching Metallurgy.

14.1	Antimony leaching with caustic alkali; purification and metallic precipitation. (14.5)	Masson	9583
14.1	Separating Cu traces from acid nickel solutions by NiO. (07.6; 15.5)	Gunther	9617
14.5	Re-leaching antimony precipitate by chlorine gas, &c. (14.1) ...	Masson	9583
14.7	Cylindrical shelf-filter for ore leaching discharge by tipping. (28.1)	Chamberlain	9684

Group 15.—Metallurgy in Furnaces.

15.5	Mixing silicious nickel ore with complex sulphides, &c., for matte smelting. (07.6; 14.1)	Gunther	9617

Group 18.—Stones, Cement, &c.

18.5	Moulding reinforced pipes, &c., in situ; collapsing moulds; cable haulage. (59.4; 81.2; 81.7; 84.3; 86.4)	Ransome	9480

Group 21.—Gas for Light and Heat.

21.83	Central stack of carbide boxes floated by bell; water valve and hand rod	Bissaker	9650

Group 22.—Candles and Lamps.

22.5	Needle-jet burner for acetylene or other flare lamps	Wakefield	9756

Group 24.—Domestic Heating; Cooking.

24.5	Auxiliary tubes, &c., in shell boilers, for utilizing hot exhaust gases. (36.3; 66.5)	Duncan	9585

Group 25.—Washing; Cleaning; Brushes.

25.2	Dollying action by lateral links with circular reciprocation; link details. (60.1; 62.8)	Morisons	9621

Group 27.—Beverages.

27.5	In turret bottlers; admitting liquor by differential piston valve after equalizing gas pressure in bottle. (61.7; 74.8)	Webster	9623

Group 28.—Distillation and Filtration.

28.1	Filter leaves with corrugated distenders; attachments, &c. ...	Blaisdell	9509
28.1	Cylindrical shelf-filter for ore leaching; discharge by tipping (14.7)	Chamberlain	9684

Group 29.—Refrigeration.

29.2	Mixture of salts, &c., for refrigerating. (29.7; 34.8)	Staer	9660
29.7	Rotary ice-cream machine with butter cooling drawer. (29.2; 34.8)	Staer	9660

Group 30.—Ploughing.

30.7	Conical sod-turning centres for plough discs; attachments ...	Speirs	9649

Group 34.—Cereals, Vegetables, Fruit.

34.6	Oscillating jaw-kneaders for biscuits, &c., adjustable cranks. (10.8; 60.3)	Palmer C.a.P.	8314
34.8	Rotary ice-cream machine with butter cooling drawer. (29.2; 29.7)	Staer	9660

Complete Specifications Accepted—*continued.*

Group 36.—Dairy Food.

36.1	Teat cups; reciprocated slide valve and connexions	Raven	C.a.P.	7791
36.1	Two-piston pulsator converting steady into pulsating fluid supply. (65.4)	Dalén		9484
36.2	Vessels and weigh beam, &c.; specific gravity of milk. (00.8; 56.2; 56.6)	Potts	C.a.P.	7537
36.3	Auxiliary tubes, &c., in shell boilers, for utilizing hot exhaust gases. (24.5; 66.5)	Duncan		9585
36.3	Infants' food; addition of citrates, &c., to milk before sterilizing. (36.9)	Litsche		9781
36.3	Increasing the albumen in separated milk for infants' food. (09.9; 36.9)	Bachaus		9782
36.6	Spherical seats for centrifugal shafts; spring control. (60.4) ...	Bök		9682
36.6	Spherical shaft seats concentric with point of oscillation; 2 examples. (60.4)	Bök		9683
36.9	Coagulating and preserving casein in milk and whey by SO_2. (09.9)	Soncini		8087
36.9	Preventing separation of casein from milk, by citrates, &c. (36.3)	Litsche		9781
36.9	Converting milk casein into soluble albumen, by trypsin, rennet, &c. (09.9; 36.3)	Bachaus		9782

Group 47.—Leather and Plastics.

47.5	Plastic-rubber grip-layers for handles and shafts. (47.6; 53.1; 53.2; 80.3)	Pilcher	C.a.P.	8176
47.6	Gutta-percha and balata composition for handles and shafts. (47.5; 53.1; 53.2; 80.3)	Pilcher	C.a.P.	8176

Group 48.—Paper; Bookbinding.

48.3	Sheet inverting devices for tandem machines; *see* G.B. 6849/05. (50.8)	North		9111
48.8	Temporary magazine covers; stiff backs and cord attachment. (01.8)	Henry		9695

Group 50.—Typographic Printing.

50.4	Visible writers; ink ribbon drawn back after each impression ...	Kidder		9544
50.4	Silent typewriters; supporting and adjusting the impression bar ...	Kidder		9545
50.4	Silent carriage feed; return motion; backward feed key	Kidder		9546
50.8	Sheet inverting devices for tandem machines; *see* G.B. 6849/05. (48.3)	North		9111

Group 53.—Amusements.

53.1	Plastic grip-layers for shafts and handles for games or tools. (47.5; 47.6; 53.2; 80.3)	Pilcher	C.a.P.	8176
53.2	Plastic grip-layers for shafts and handles for games and tools. (47.5; 47.6; 53.1; 80.3)	Pilcher	C.a.P.	8176

Group 54.—Commerce.

54.1	Rotary card time tables, &c., with perforated cover card	Ryall	C.a.P.	7937
54.3	Chain band for mail bags; tongue and paper sealed cover. (77.7)	Grime		9651

Group 56.—Counting, Measuring, Weighing.

56.2	Graduated vertical scale with float and balance for milk vessels. (00.8; 36.2; 56.6)	Potts	C.a.P.	7537
56.4	Contoured maps, &c., from bird's eye photos; zonal scale methods. (00.4)	Schiempflug		7710
56.6	Graduated beam for milk specific gravity; slider adjustments. (00.8; 36.2; 56.2)	Potts	C.a.P.	7537

Complete Specifications Accepted—*continued.*

Group 59.—Conveying and Lifting.

59.4	Cable system for hauling moulds, &c., for concrete sewer pipes, &c. (18.5; 81.2; 81.7; 84.3; 86.4)	Ransome		9480

Group 60.—Mechanism; Lubrication.

60.1	Circular reciprocation converted to axial reciprocation by suspending links. (25.2; 62.8)	Morisons		9621
60.3	Adjustable stroke cranks; eccentric sleeves with stops. (10.8; 34.6)	Palmer	C.a.P.	8314
60.4	Spherical seats for centrifugal shafts; spring control. (36.6) ...	Bök		9682
60.4	Spherical shaft seats concentric with point of oscillation; 2 examples. (36.6)	Bök		9683

Group 61.—Governors.

61.7	Differential piston valves in turret bottlers. (27.5; 74.8) ...	Webster		9623

Group 62.—Power Storage.

62.8	Tapered collar forming self-closing clamp on vertical shaft. (25.2; 60.1)	Morisons		9621

Group 65.—Reciprocating Motors.

65.4	Two-piston pulsator converting steady into pulsating fluid supply. (36.1)	Dalén		9484

Group 66.—Gas and Oil Engines.

66.5	Auxiliary tubes, &c., in shell boilers, for utilizing hot exhaust gases. (24.5; 36.3)	Duncan		9585

Group 67.—Turbines; Rotary Motors.

67.2	Protecting drums from corrosion by extended vane-caulking strips	Parsons		9680

Group 68.—Pumps for Liquids.

68.2	Electrically operated clutch with barometric control. (00.8; 69.4)	Zeitlin		9157

Group 69.—Blowers and Compressors.

69.4	Reducing leakage in series vacuum pumps (*as* G.B. 12,529/04) by operating in enclosed vacuum chamber. (00.8; 68.2) ...	Zeitlin		9157

Group 70.—Casting and Stamping.

70.2	Moulding press; lateral flask assembling devices, &c.	Shacklock		9659

Group 74.—Pipes and Fittings.

74.8	Relief float valves for maintaining level in bottles. (27.5; 61.7)	Webster		9623

Group 77.—Locks, Bolts, Safes, &c.

77.7	Chain band for mail bags; tongue and paper sealed cover. (54.3)	Grime		9651

Group 78.—Structural Hardware.

78.7	Serrated grips for sash cords	Hardy		9909

Group 80.—Carpentry.

80.3	Plastic grip-layers for shafts and handles for games and tools. (47.5; 47.6; 53.1; 53.2)	Pilcher	C.a.P.	8176

Complete Specifications Accepted—*continued.*

Group 81.—Buildings, Streets, Fencing.

81.2	Moulding reinforced pipes, &c., in situ; collapsing moulds, cable haulage. (18.5; 59.4; 81.7; 84.3; 86.4)	Ransome	9480
81.7	Forming concrete street channels in situ; cable hauled moulds. (18.5; 59.4; 81.2; 84.3; 86.4)	Ransome	9480
81.8	Reversed locking notches; in fence dropper edges	Barrett	9618

Group 84.—Excavation and Dredging.

84.3	Sliding scrapers and moulds for moulding pipe trenches and concrete linings. (18.5; 59.4; 81.2; 81.7; 86.4)	Ransome	9480

Group 86.—Sanitation.

86.4	Sliding scrapers and moulds for moulding pipe trenches and concrete linings. (18.5; 59.4; 81.2; 81.7; 84.3)	Ransome	9480
86.4	Inspection cover; groove for clay lute; wire fastening	Clark	9562

Group 96.—Rolling Stock.

96.3	Central latch-coupling and buffer; rockshaft engagement	Christian	9568

Group 97.—Wheels.

97.83	Divided rims for rapid tyre changing; 3 designs for fastenings, &c.	B.-Baker	9576
97.83	Rectangular air bag between sliding plates, with wood spokes and centre	Stevenson	9483

Group 98.—Permanent Way.

98.2	Central ramp rail; mechanical and electric signals on loco. *See* 5849/*06*. (99.2; 99.4)	Jacobs	7711

Group 99.—Signalling.

99.2	Central ramp rail; mechanical and electric signals on loco. *See* 5849/*06*. (98.2; 99.4)	Jacobs	7711
99.4	Connecting staff systems to signals on loco; develops 5849/*06*. (98.2; 99.2)	Jacobs	7711

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

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6664. C. H. BISSAKER. *Acetylene generator.* *Class* 21.87.

6690. J. VON BERTOUCH. *Clearing land, streets, &c.* Classes 30.2; 30.3; 30.9; 32.7; 86.5.

7101. G. H. and W. P. FOSTER. *Hinges, &c.* Classes 78.0; 78.5; 80.0.

7271. W. HOLMAN. *Sight lubricator.* Class 60.9.

7277. L. J. HOLROYD. *Broom clip.* Classes 25.8; 58.4.

7407. S. C. ROBINSON. *Mining indicator.* Classes 99.6; 99.8.

7447. J. C. GREGORY. *Billiard table cushions.* Class 53.6.

1907.

7777. A. T. PFEIFF. *Heating apparatus.* Classes 24.5; 36.3.

7788. J. HUTCHINGS. *Internal combustion engines.* Classes 60.9; 63.1; 66.2; 66.5; 66.7; 67.1.

7789. H. J. WEST & CO. LTD. (CHEW). *Carbonating beer, &c.* Classes 27.1; 27.3; 27.8; 29.5; 68.3; 69.4.

7795. A. S. FRANCIS. *Incandescent gas burners.* Classes 23.1; 23.5.

7807. M. ROBERTSON. *Chocolate confections.* Classes 29.7; 33.8; 34.8.

7808. GASCARD and SHIMMEN. *Grading potatoes, &c.* Class 32.7.

7810. C. J. WALKER. *Boots and shoes.* Class 44.3.

7814. J. AIVAZ (POLJAKOFF-KOWTUNOFF). *Dividing table.* Classes 60.2; 71.5.

7817. W. E. ADAMS. *Construction of walls.* Class 81.2.

7818. KALE and GILFILLAN. *Hanging curtains.* Classes 46.6; 78.9.

7825. O. PFEIFFER. *Grinding mills.* Classes 10.3; 11.6; 11.9.

7826. SANDERSON and EIFFE. *Escape shafts for loading cargoes.* Classes 91.2; 91.8.

7834. MATTHEWS and GIBSON. *Laying poisoned bait.* Class 38.9.

7844. G. GIBBINS. *Multiple ploughs.* Classes 30.3; 30.5.

7845. A. J. POSTANS. *Calculating machines.* Class 56.2.

7851. A. H. HELTBERG. *Cash registers.* Classes 50.4; 55.5.

Printed Specifications Published—*continued.*

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7852. Molas and Smeeton. *Reversible turbines.* Classes 62.8; 67.1; 67.2.
7855. A. d'Have. *Concrete flooring.* Classes 81.1; 81.2.
7870. W. A. Hendryx. *Depositing metal.* Classes 10.8; 14.7; 28.1.
7874. Ingersoll-Rand Co. (Gibson). *Pressors.* Classes 69.4; 85.4.
7875. Ingersoll-Rand Co. (Gibson). *Pressors.* Classes 69.4; 85.4.
7877. A. Schwarz. *Concentrating ores.* Classes 07.6; 11.4; 11.9.
7878. Sproehnle and Taylor (Morrison). *Automatic sheet gages.* Classes 48.3; 50.8.
7880. W. Silver. *Shearing machines.* Class 37.6.
7891. L. Holmes. *Disappearing bed.* Classes 45.2; 81.1.
7897. F. Rosan. *Connections in harness.* Class 39.6.
7904. G. G. Turri (Frankenberg). *Tobacco stemming, &c.* Class 33.3.
7906. Burkett and Others. *Mine fans.* Classes 69.6; 85.9.
7907. F. Whitney. *Photographic plate holders.* Class 52.4.
7914. T. Johnson and Others. *Pressing cement blocks.* Classes 18.5; 81.1.
7916. R. E. G. Burroughs. *Pipe cleaners.* Classes 25.4; 33.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

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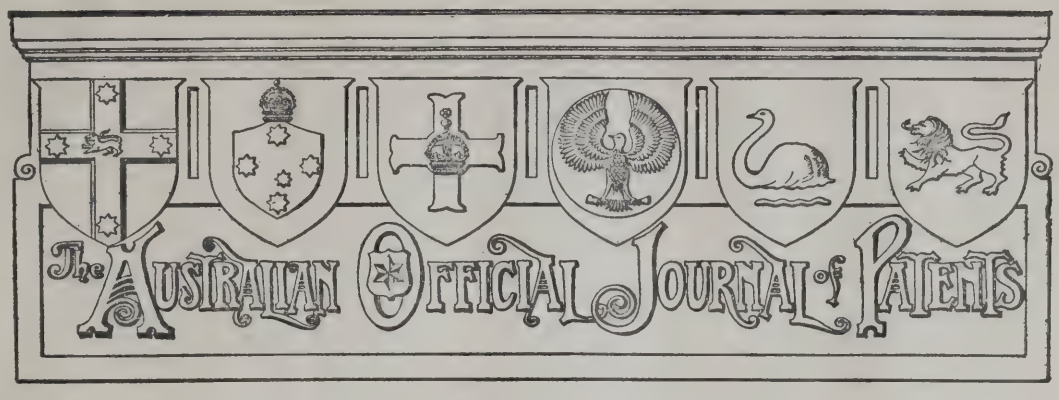
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6860	7 Sept.	W. Shearing	S.A.	Artificial fuel	336
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6935	17 Sept.	A. E. Brown (Gaukroger) ...	N.S.W.	Centrifugal pumps ...	282
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6834	5 Sept.	A. G. Taylor	Eng.	Adjustable spanner ...	317
7263	2 Nov.	W. H. Jamieson	Vic.	Safety hook and shackle ...	478
7293	7 Nov.	A. V. Dear	Vic.	Artificial dentures ...	479

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
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6819	4 Sept.	A. Polson (Henrich) ...	U.S.A.	Collapsible berry box ...	468

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26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
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Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 8.] 1908. [No. 2.
(WITH SUPPLEMENT.)
Tuesday, 21st January.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.

Applications Received, 10,614 to 10,659.

Commonwealth Proceedings.

Vol. 7.—Part C, Classified Subject Index, 1907, in separate cover.

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NOTICE IS HEREBY GIVEN that CHARLES ALBERT GOULD is prepared to satisfy all reasonable requirements of the public with respect to his Australian Patent No. 2249, dated 4th January, 1905, for

"Improvements in systems of electrical distribution and regulation."

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.



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VOL. 8.] 21ST JANUARY, 1908. [NO. 2.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

Subscriptions for 1908.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 7, Statistics and Indexes for 1907, and the Weekly Numbers of Vol. 8 for 1908, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

Vol. 7.—Statistics and Indexes, 1907.

With this number, Part C, Commonwealth Subject Index (arranged in classes) for 1907, is issued in a green cover.

Public Holiday.

The Patent Office, Melbourne, will be closed on the 27th January, 1908—Foundation Day.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 9th to 15th January, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 9th January.

10,614. *Prov.* William SILVER, Peel-street, Tamworth, N.S.W., engineer,

"Improvements in sheep shearing machines."

10,615. *Comp.* Francis Thomas Arthur JACKSON, Gordon-road, Chatswood, N.S.W., commercial traveller,

"An improved detachable shirt collar."

10,616. *Prov.* Frederick James WIGMORE, Pall Mall, Bendigo, Vic., miner,

"Improvements in mechanism for ventilation."

10,617. *Prov.* John FROGGATT, 40 St. John's-avenue, Camberwell, Vic., fitter, and Charles STACEY, Cressy-street, Malvern, Vic., accountant,

"Improved interlocking device."

10,618. *Prov.* Thomas Albert COOK, 2 Rundle-street, Adelaide, S.A., pastry cook,

"An improved top for tables."

10,619. *Comp.* Robert Falkland CAREY, 18 Carlton-terrace, Finchley-road, Childs Hill, London, Eng., engineer,

Application under Sec. 121.

[Date applied for 15th January, 1907, being date of application in Great Britain, No. 1071/07.]

"Improved construction of mechanism for opening and closing doors."

10,620. *Comp.* George Robert SISTERSON, 12 Great James-street, Bedford Row, London, W.C., Eng., engineer,

Application under Sec. 121.

[Date applied for 11th January, 1907, being date of application in Great Britain, No. 810/07.]

"Improvements in and connected with the treatment of steam for steam engines."

10,621. *Prov.* James William HICKS, Station-street, Fairfield, Vic., metalworker, and David Lindsay ALLAN, Alphington-street, Alphington, Vic., iron merchant,

"Improvements in dust-collecting appliances for motor-cars and other self-propelled vehicles."

10,622. *Comp.* Charles MARTIN, Eltham, Taranaki, N.Z., land and commission agent,

Application under Sec. 121.

[Date applied for 31st January, 1907, being date of application in N.Z., No. 22,370/07.]

"Improvements in sliding the seat or seats of dog-carts, gigs, and other like wheeled vehicles."

10,623. *Prov.* Patrick Louis HARKIN, 12 Princes-street, Fitzroy, Vic., engineer,

"Improvements in milking machines."

10,624. *Prov.* William John GRIFFITHS, Semaphore Iron Works, Newport, Vic., engineer,

"An improved uniform treadle contact maker for railways."

Applications received, 9th to 15th January—*continued.*

Friday, 10th January.

10,625. *Prov.* Matthew John Higgins, *act. inv.*, 93 Whitehall-street, Footscray, Vic., joiner, and Albert Rymill Cakebread, *assignee*, 214 Nicholson-street, Footscray, Vic., fruiterer,

"An improved dust and draught excluder for doors and the like."

10,626. *Prov.* De Morgan Preston, 1 St. Vincent-place, Albert Park, Vic., commercial traveller,

"A convertible bed settee."

10,627. *Prov.* Charles Frederick Harris and Edwin William John Dixon, both of Fourteen Mile Brook, near Narrogin, W.A., farmers,

"Naval game."

10,628. *Prov.* John Cruse Ellis, 477 Punt-road, South Yarra, Vic., jeweller,

"Coin in the slot, postage stamp selling machine."

10,629. *Prov.* Joseph Francis Wearne, Manilla, N.S.W., timber merchant,

"Improvements in leaf sights for rifles."

10,630. *Prov.* James Minto, Regent-street, Redfern, N.S.W., plumber,

"Improvements in flushing cisterns."

10,631. *Prov.* Charles Wilfred Ive, Villiers-street, New Farm, Brisbane, Qld., mechanic,

"Improved patent chain clasp lock etc."

10,632. *Prov.* Andrew Phillip Lennon, 110 Townshend-road, Subiaco, W.A., inventor,

"Horizontal aermotor."

Saturday, 11th January.

10,633. *Prov.* Cyril Rupert Whelan, Halton Grange, Lang Lang, Vic., farm worker,

"Improvements in buckles."

10,634. *Prov.* John Lang, "Carlowrie," Yann-street, South Preston, Vic., accountant,

"An improved apparatus for weighing and delivering into a receptacle granular or other products."

10,635. *Prov.* Michael James O'Meara, 19 Sydney-street, Ascot Vale, Vic., salesman,

"Goods delivery, call, and return check system, and device therefor."

Monday, 13th January.

10,636. *Prov.* Arthur James Baker, 74 Pirie-street, Adelaide, S.A., bicycle manufacturer,

"An improved machine for cutting rolls of paper."

10,637. *Prov.* Joseph Edward Holloway, 141 Glebe Point-road, Glebe, N.S.W., plumber,

"Improvements in double acting ball or float valves."

10,638. *Prov.* Eustace Julian Keogh, 223 Toorak-road, South Yarra, Vic., surgeon (*assignee of* Frederick John Corbett, *act. inv.*),

"An improved process for separating and concentrating suitably divided zinc sulphide ores, tailings, slimes, and other suitable ores."

10,639. *Prov.* James George Layther, Southern Cross, W.A., cyanider,

"Continuous automatic feed pressure filter for gold bearing slimes."

10,640. *Prov.* William Taylor Butler, 13 Pier-street, Perth, W.A., joiner,

"Hand pull disinfectant supply appliance for closets."

10,641. *Prov.* Christopher George King, 18 Carlisle-street, Hawthorn, Vic., manufacturer,

"Improved joining of cones forming part of an outdoor and indoor game."

10,642. *Prov.* Peter Olsen, Sherwood, Qld., stockman,

"An improved portable fodder and skin press."

10,643. *Comp.* Thomas Charles Debenham, Forbes, N.S.W., engineer,

"An improved apparatus for lighting and extinguishing street and other gas lamps from a distance."

Applications received, 9th to 15th January—*continued.*

10,644. *Comp.* Jacques LUCIANI, 100 Rue d'Amsterdam, Paris, France, engineer,

"Improvements in and relating to explosives suitable for use in warfare."

10,645. *Comp.* Paul Julius MATTER, Coswig, Saxony, Germany, inventor,

"Improvements in electric signaling apparatus for railroads."

10,646. *Prov.* Edward Hill ALLEN, 115 Elizabeth-street, Melbourne, Vic., ironmonger (William GORDON, *act. inv.*, Tasma House, Parliament-place, Melbourne, Vic., electrical engineer),

"An improved collapsible drinking cup."

10,647. *Prov.* Paul BOLL, Crassy-street, Deniliquin, N.S.W., electrical and mechanical engineer, and Ralph FALKINER, Moonbria, N.S.W., pastoralist,

"An improved universal joint or coupling specially for use in sheep shearing machines."

10,648. *Prov.* William Webb CAMPBELL, 249 Clarence-street, Sydney, N.S.W., merchant (*communicatee of* John David HAGGARD and Henry Hall MARCUSSON, *act. invs.*, both of 415 South Canal-street, Chicago, U.S.A., manufacturers),

"Improvements in chairs."

Tuesday, 14th January.

10,649. *Prov.* William Henry Roland DAVIS, corner of Lloyd and Ratcliff-streets, Kensington, Vic., meat preserver,

"An improved handle attachment for various utensils."

10,650. *Comp.* Max ROSENTHAL, 24 Michaelkirchplatz, Berlin, S.O. 16 Germany, merchant,

Application under Sec. 121.

[Date applied for 21st Feb., 1907, being date of application in Germany, No. 63,559/07.]

"Heating apparatus especially adapted for heating rooms."

10,651. *Prov.* Thomas HODGSON, 49 Brunswick-street, Fitzroy, Vic., surgeon,

"An improved method of treating untanned partly tanned or tanned hides with solutions."

10,652. *Prov.* Patrick Louis HARKIN, 12 Princes-street, Fitzroy, Vic., engineer,

"Improvements in the cups of milking machines."

10,653. *Prov.* Alexander Alfred WARD, Ravenswood, Qld., engineer,

"Improvements in pumps for pumping battery tailings and other similar material."

10,654. *Comp.* McIon James Douglas CARTER, 69 Wanstead Park-avenue, Manor Park, Essex, Eng., works manager,

"Improvements in or relating to rotary duplicators."

Wednesday, 15th January.

10,655. *Comp.* Fred WALSH, George and Wynyard-streets, Sydney, N.S.W., patent attorney (*communicatee of* Thomas SMITH, *act. inv.*, 21 Gospel Oak Villas, Gospel Oak, London, Eng., gas engineer and metal worker, and Henry Malcolm CALDWELL, *assignee*, 28 Delaney-street, Hyde Park, London, Eng., gentleman),

"New or improved means for indicating or regulating pressures of gas or supply of gas."

10,656. *Prov.* William Fitzgerald CRAWFORD, Customs-street, Gisborne, N.Z., photographer,

"Improvements in sheep shearing machines and similar machines for other like purposes."

10,657. *Prov.* John MAY, 118 Russell-street, Melbourne, Vic., clerk,

"Portable horse race starting machine."

10,658. *Prov.* Martin Joseph HOGAN, storeman, c/o Messrs. Tye and Company, 98-108 Bourke-street, Melbourne, Vic.,

"An improved table having closing legs."

10,659. *Prov.* John Gavan REILLY, Post Office, Ararat, Vic., postmaster,

"Improved delivery and return label."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

9882. Drewet, J. C.
10,044. Sands, T. W.
10,246. Jaffrey, T.
Combined heater, clarifier and evaporator.
10,324. Baker, E. B.
10,353. Keogh, E. J. (Corbett)
10,362. The Metals Extraction Corp. Ltd. (Hommel & Sulman)
10,363. Byers, T.
10,393. Sabelberg, J. J., & Pellew, S. P.
10,394. Munns, G. C.
10,396. Miller, A. A.
10,397. Sigmont, W.
10,401. Anderson, S. G.
10,403. Buzacott & Co. Ld. (Nunan)
10,404. Ashworth, C.
10,405. Cooper, R. M.
10,407. Haynes, H. V.
10,408. Haynes, H. V.
10,412. Palmer, F. J.
10,414. Ried, W.
10,415. Arnemann, C.
10,417. Murnane, C.
10,420. Finnis, H. L.
10,421. Jackson, J. D.
10,422. Mather, H. J. B.
10,423. Peters, J. H.
10,426. Raby, R.
10,428. Clarkson, E. J.
10,429. Smith, J. S.
10,430. Fryer, E. J.
10,431. Raby, R.
10,432. Mudie, H. D.
10,439. Merriman, W. G.
10,443. Smith, J.
10,444. Stevens, A. C.
10,450. Plottel, J.
10,456. Parry, H. E.
10,461. Sunderland, J.
10,464. McDonnell, H. J.
10,465. Shields, W. H.
10,468. Nicholson, H. J.
10,469. Turner, J. T.
10,471. Morish, W. H.
10,472. Morish, W. H.
10,473. McLean, Elsie R. H.
10,474. Tause, H.
10,475. McIntosh, D. J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8208. T. Robinson & Co., Proprietary Limited, Spotswood, Vic., manufacturers (*assignee of* Eli Howarth, *act. inv.*),

"Improvements in and connected with the sowing and fertilizer distributing appliances of seed drills." 9th Jan., 1908.

8250. William James McFarland, Waterview, Wagga Wagga, N.S.W., farmer,

"Improvements in grain cleaning separating and grading machines." 10th Jan., 1908.

8460. Joseph John Nioa, Meatian, near Lalbert, Vic., farmer,

"Improved delver." 11th Jan., 1908.

8536. David Curle Smith, Piccadilly, Kalgoorlie, W.A., electrical engineer,

"Improved electric kettle." 10th Jan., 1908.

8693. Robert Edward Dick, Elmore, Vic., coachbuilder,

"Improved apparatus for pickling wheat and other grain." 10th Jan., 1908.

8507. Paul Bevenot, 7 rue Laffitte, Paris, France, and Edward de Neveu, 43 avenue Chevreul, Asnieres, Seine, France, engineers,

"A new process of work and a combination of apparatus intended to extract by hot air the solid particles contained in the natural fluids or solutions useful for all practical purposes and especially in desiccating milk and extracting sugar from sweet liquids." 13th Jan., 1908.

9681. Colin Erle Begg, "Rosherville," Boyle-street, Mosman, N.S.W., engineer,

"Improvements in wire-netting weaving machines." 13th Jan., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC 38

1907.

8179. Pearse, J. & Jessie
8180. Shields, W. H.
8182. Triumph Plow Co. Ld. (Bartle)
8184. Bolton, A. J. J., & Hosegood, G.
8185. Sharpe, J.
8201. Harrison, J., Doig, H., & Fitzgerald, J.
8214. Mason, R. A., & Morrison, J. A.
8220. Harrison, J., Doig, H., & Fitzgerald, J.
8223. Chaffer, A. E.
8224. Ekins, W. E.

Assignment Registered.

1905.

3185. "Manufacturing of explosives by means of bi-nitro or tri-nitro derivates of mesytilen and of pseudocumal."

Assignment of the whole *by* Dr. Gustav SCHULTZ *to*

Fritz GEHRE. Dated 7th June, 1907. Registered 9th Jan., 1908.

Amendment Made.

1905.

4837. 18 Dec. Arthur Reginald ANGUS (*applicant*), of Barry-street, Neutral Bay, N.S.W. In pursuance of leave granted on the 8th July, 1907, the above-numbered Specification has been amended in the manner set forth in pages 301-2 of Vol. 6 of this *Journal*, dated 4th June, 1907.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

7886. Blacket, O.
7894. White, H. P.
7967. Burrill, P.
8019. Clark, G.
8079. Un. Shoe Mach. Co. (Bates & Briggs)
8080. Un. Shoe Mach. Co. (Eppler)
8081. Un. Shoe Mach. Co. (Johnson)
8082. Un. Shoe Mach. Co. (Wadsworth & Shortland)
8140. Vogt, E. B. A. & N. A., & Gehling, C. W.
8145.*McMaugh, A. W., & Welch, R.
8204. Un. Shoe, Mach. Co. (Allen)
8206. Winslow, S. W. (Rogers)
8245. While, J., & Davidson, J.
8363. Miess, J. H.
8741. Olding, G. H.
9225. Kaufman, A. G.
9418. Pitner, Marion W.
9424. Totterdell, E.
9473. Alston, C. H. T.
9508. Hackney, I. M.
9511. Turri, G. G. (Brown)
9516. Lloyd, R. L.
9533. Hanson, H. F. (Beaubien)
9547. Kidder, W. P., & Sponsel, C. W.
9591. National Cash Register Co. (Bockhoff)
9610. Sayer, R. C.
9697. Tyree, W.
9703. Mallyon, J. R.
9732. Stewart, C. P.
9743. Brooks, W. H.
9752. Meyer, F.
9790. Westinghouse, G.
9791. Kron, R.
9834. Augustine, B. F.
9946. Schultz, G.
9952. Parker, T.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8145. Arthur Wellington McMAUGH, 142 King-street, machinist, and Robert WELCH, 11 Mary-street, gentleman, both in St. Catherines. Lincoln, Ontario, Canada,

"Improvements in electric railroad signals."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 01.—Acoustics.

01.8	Finger operated turner for leaf-by-leaf in either direction; 2 designs	Mallyon	C.a.P. 9703

Group 07.—Electrolysis and Batteries.

07.9	Synthesis of sugar from compressed mixed CO, C_2H_2, H, and O under magnetic and electric influences. (09.1; 09.3; 33.1) ...	Stewart	9732

Group 08.—Mineral Chemistry.

08.6	H_2S by distilling S with wood or hydrocarbon. (21.1)	White	7894

Group 09.—Organic Chemistry.

09.1	Synthesis of sugar from compressed mixed CO, C_2H_2, H and O under magnetic and electric influences. (07.9; 09.3; 33.1) ...	Stewart	9732
09.1	Recovering vegetable acids in retting fibres by high pressure steam, &c. (40.1; 48.1)	Kron	9791
09.3	Synthesis of acetylene (with CO) by passing mixed H and O over C. (07.9; 09.1; 33.1)	Stewart	9732
09.3	Treating solvent naphtha for explosives; chemical purification; fractional distillation; nitration, &c. (89.8)	Schultz	9946

Group 10.—Crushing and Grinding.

10.1	Rotatable cylinder feeders for copper smelters. (15.5; 16.33; 16.45)	Lloyd	9516
10.3	Tube mills; fixing flint linings by jamming without cement ...	Brown	9511

Group 15.—Metallurgy in Furnaces.

15.5	Continuous reduction of copper matte, with production of neutral slag. (10.1; 16.33; 16.45)	Lloyd	9516

Group 16.—Furnaces.

16.33	Rotating cylinder converters, &c.; continuous copper matte reduction. (10.1; 15.5; 16.45)	Lloyd	9516
16.45	Rotating cylinder converters, &c.; continuous copper matte reduction. (10.1; 15.5; 16.33)	Lloyd	9516

Group 18.—Stones, Cement, &c.

18.5	Moulds for hollow reinforced facing blocks; transverse cores. (81.1; 81.2)	Totterdell	9424

Group 20.—Solid and Liquid Fuel.

20.2	Smokeless fuel; process 8447/07 modified by very slow finish, &c.	Parker	9952

Complete Specifications Accepted—*continued.*

Group 21.—Gas for Light and Heat.

21.1	H_2S by distilling S with wood or hydrocarbon. (08.6)	White		7894
21.2	Plant (using 6936 *06* and 6531/*06*) for supplying mixtures of wood and fuel gas for power, &c. (66.8)	Brooks	C.a.P.	9743
21.87	Acetylene apparatus combined with poison fume impregnator. (38.9)	Tyree		9697

Group 23.—Bunsen and Incand. Burners.

23.1	Bunsen mixer, with sliding air adjustment, for mantle lamp. (23.3; 23.5)	Pitner		9418
23.3	Renewable refractory fillings for vaporizing tubes. (23.5) ...	Miess	C.a.P.	8363
23.3	Oil heater with insulating liner, for vaporizing mantle lamp. (23.1; 23.5)	Pitner		9418
23.5	Renewable refractory fillings for vaporizing tubes. (23.3) ...	Miess	C.a.P.	8363
23.5	Bracket or pendant; insulated heater, oil vaporizer, adjustable air mixer, &c. (23.1; 23.3)	Pitner		9418

Group 30.—Ploughing.

30.9	Compression spring and toggle locked supports for tyres	Vogt	C.a.P.	8140

Group 33.—Tropiculture.

33.1	Synthesis of sugar from compressed mixed CO, C_2H_2, H, and O under magnetic and electric influences. (07.9; 09.1; 09.3) ...	Stewart		9732
33.4	Coating cigar ends with acetyl-cellulose solution. (79.3)	Meyer		9752

Group 38.—Fowling; Fishing; Trapping.

38.9	Use of acetylene as vehicle for noxious fumes; apparatus. (21.87)	Tyree		9697

Group 40.—Textile Raw Materials.

40.1	Retting vegetable fibre in large boilers taking unloaded trucks, without corrosive chemicals. (09.1; 48.1)	Kron		9791

Group 42.—Sewing.

42.7	Welt channelling knife and disengagement gear, &c., for sole sewing; 2 styles. (44.5)	Allen	C.a.P.	8204

Group 43.—Wearing Apparel.

43.7	Helmet for scalp massage and treatment in vacuo; rotary pad, &c. (74.7; 87.3; 87.8; 97.85)	Beaubien		9533

Group 44.—Boots and Shoes; Umbrellas.

44.3	Strengthened insoles; canvas layer; double edge flaps cemented together. (44.5)	Johnson	C.a.P.	8081
44.5	"Nugget" nailer (G.B. 4471/*03*); sorting and guiding nails. (78.1)	Bates	C.a.P.	8079
44.5	Percussion pressure foot and rotating knife for trimming reinforced insoles	Eppler	C.a.P.	8080
44.5	Reciprocating feed gear; cutting and hammering double flap joints of strengthened insoles. (44.3)	Johnson	C.a.P.	8081
44.5	Work feeder, &c., for boot nailing machines, following G.B. 8500/*98*	Wadsworth	CaP	8082
44.5	Welt channelling knife and disengagement gear, &c., for sole sewing; 2 styles. (42.7)	Allen	C.a.P.	8204
44.5	Two-spindle boot sole buffing machine; pneumatic heads, &c. (75.2; 75.6)	Rogers	C.a.P.	8206

Complete Specifications Accepted—*continued.*

Group 48.—Paper; Bookbinding.

48.1	Retting vegetable fibre in large boilers taking unloaded trucks, without corrosive chemicals. (09.1; 40.1)	Kron		9791
48.7	Stapling method for triplicate books; complete removal of sheets. (54.5)	Bockhoff		9591

Group 50.—Typographic Printing.

50.4	Changing impression line of ink ribbon, in moving platen machines	Kidder		9547

Group 54.—Commerce.

54.5	Triplicating sales book; carbon back surfaces; attachments, &c. 48.7)	Bockhoff		9591

Group 57.—Packing, Compressing, Bottling.

57.5	Bottle capsules with rubber gasket; folded rim and tearing lip ...	Kaufman		9225

Group 58.—Chains, Ropes, Wire.

58.7	Spiral traction springs, with limit stops and shackles	While	C.a.P.	8245

Group 60.—Mechanism; Lubrication.

60.2	End sliding rotary cams for reversing explosive engines by compressed air. (66.2; 66.7)	Alston		9473
60.3	Ratchet lever with adjustable fulcrum and reversible pawls. (93.4)	Hackney		9508

Group 61.—Governors.

61.2	Enclosed cut-off governor, operating rotary engine valves. (61.9; 67.7)	Augustine		9834
61.9	Enclosed cut-off governor, operating rotary engine valves. (61.2; 67.7)	Augustine		9834

Group 66.—Gas and Oil Engines.

66.2	Pressure operated scavenging and fuel valves, with compressed air starting and reversing gear. (60.2; 66.7)	Alston		9473
66.7	Scavenging and fuel valves opened by reduced pressure after exhaust. (60.2; 66.2)	Alston		9473
66.8	Special pipe from wood gas plant for heating ignition tubes. (21.2)	Brooks	C.a.P.	9713

Group 67.—Turbines; Rotary Motors.

67.7	Renewable crescent liner for chamber; balanced radial pistons, &c. (61.2; 61.9)	Augustine		9834

Group 68.—Pumps for Liquids.

68.9	Perforated pipes for feeding centrifugal road sprinklers. (86.5) ...	Olding		8741

Group 74.—Pipes and Fittings.

74.7	Exhaust and relief valves in vacuum massage helmet. (43.7; 87.3; 87.8; 97.85)	Beaubien		9533

Group 75.—Abrading and Polishing.

75.2	Buffing wheels with pneumatic pads; air pressure adjustment. (44.5; 75.6)	Rogers	C.a.P.	8206
75.6	Two-spindle boot sole buffing machine; pneumatic heads, &c. (44.5; 75.2)	Rogers	C.a.P.	8206

Complete Specifications Accepted—*continued.*

Group 78.—Structural Hardware.

78.1 "Nugget" nailer (G.B. 4471/03); sorting and guiding nails. (44.5) Bates C.a.P. 8079

78.7 Access to knots of sash cord from exposed face of sash; cover plate. (81.5) Blacket 7886

Group 79.—Paints, Adhesives, &c.

79.3 Coating cigar ends with acetyl-cellulose solution. (33.4) ... Meyer 9752

Group 81.—Buildings, Streets, Fencing.

81.1 Reinforced interlocking panels for metal buildings; *see* 6606/06. (81.2) Clark C.a.P. 8019

81.1 Moulds for hollow reinforced facing blocks; transverse cores. (18.5; 81.2) Totterdell 9424

81.2 Reinforced interlocking panels for metal buildings; *see* 6606/06. (81.1) Clark C.a.P. 8019

81.2 Moulds for hollow reinforced facing blocks; transverse cores. (18.5; 81.1) Totterdell 9424

81.5 Access to knots of sash cord from exposed face of sash; cover plate. (78.7) Blacket 7886

Group 86.—Sanitation.

86.5 Perforated pipes for feeding centrifugal road sprinklers. (68.9) ... Olding 8741

Group 87.—Medicine.

87.3 Helmet for scalp massage and treatment in vacuo; rotary pad, &c. (43.7; 74.7; 87.8; 97.85) Beaubien 9533

87.8 Electrical treatment of scalp in vacuum helmet (43.7; 74.7; 87.3; 97.85) Beaubien 9533

Group 89.—War.

89.8 7 examples; nitrated naphtha products, with oxidizers, metals, &c. (09.3) Schultz 9946

Group 93.—Road Vehicles.

93.2 Pivoted balancing underframe for two-wheeled vehicles. (93.7) ... Burrill C.a.P. 7967

93.4 Lever and ratchet gear for tyre compressors, as 9510/07. (60.3) ... Hackney 9508

93.7 Pivoted balancing underframe for two-wheeled vehicles. (93.2) ... Burrill C.a.P. 7967

Group 95.—Locomobiles.

95.0 Flangeless wheel system for optional traffic on tramway or road; rail guides. (95.7; 96.3; 98.4) Sayer 9610

95.7 Main and bogie frames, steering gear, &c., for vehicles for optional rail or road use. (95.0; 96.3; 98.4) Sayer 9610

Group 96.—Rolling Stock.

96.3 Main and bogie frames, steering gear, &c., for vehicles for optional rail or road use. (95.0; 95.7; 98.4) Sayer 9610

96.3 Shock absorbing buffers, &c.; tapered ends on spiral springs act as expanding wedges in friction devices Westinghouse 9790

Group 97.—Wheels.

97.85 Exhaust and relief valves in vacuum massage helmet. (43.7; 74.7; 87.3; 87.8) Beaubien 9533

Complete Specifications Accepted—*continued.*

Group 98.—Permanent Way.

98.2	Central rail and collector shoe, &c.; warning trains in danger zones. (99.4)	McMaugh	8145
98.4	Flangeless wheel system for optional traffic on tramway or road; rail guides, &c. (95.0; 95.7; 96.3)	Sayer	9610

Group 99.—Signalling.

99.4	Central rail and collector shoe, &c.; warning trains in danger zones. (98.2)	McMaugh	8145

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1907.

10,295. Herbert SEFTON-JONES, 322 High Holborn, London, Eng., patent agent,

Application under Sec. 121.

[Date applied for 21st Jan., 1907, being date of application in Great Britain, No. 1546/07.]

"Improved bearings for shafts and the like."

10,513. Robert BROWN, 34 Mansfield-road, Ilford, Essex, Eng., merchant,

Application under Section 121

[Date applied for 15th Jan., 1907, being date of application in Great Britain, No. 1046/07.]

"Improvements in stoppering bottles."

10,584. Charles Jennings HILLMAN, 1 Dyers Buildings, Holborn, London, Eng., draughtsman,

Application under Sec. 121.

[Date applied for 18th Jan., 1907, being date of application in Great Britain, No. 1359/07.]

"A new or improved photographic printing device particularly applicable for use in the duplication of drawings."

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Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

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The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

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1906.

6507. B. S. Kempe. *Miner's lamp holder.* Classes 22.2.; 84.1.
6688. A. J. Hall. *Spraying hot water.* Classes 43.7; 68.9.
6759. Crawford and Shelton. *Shoulder brace and belt.* Classes 43.3; 87.3.
6769. J. M. Aitken. *Telephone diaphragm clip.* Classes 05.6; 86.8.
7034. T. Richards (*jun.*). *Corn husker, sheller, &c.* Class 32.6.
7054. J. W. Marriott. *Fumigating burrows.* Class 38.9.
7090. T. Grose. *Grain scourer.* Classes 10.6; 34.3.
7091. J. E. Crowle. *Lifting jacks.* Class 59.1.
7300. Un. Shoe Mach. Co. (Casgrain). *Fasteners for leather goods.* Classes 44.5; 78.1.
7301. Un. Shoe Mach. Co. (Bates). *Clicking presses.* Classes 44.5; 47.3; 88.9.
7660. E. S. G. Rees. *Centrifugal pumps.* Classes 60.7; 67.2; 67.4; 68.7; 83.7; 88.1.

1907.

7682. E. S. Smith. *Internal combustion engine.* Classes 66.2; 66.7.
7722. Ingersoll-Rand Co. (Haeseler). *Pneumatic hammers.* Classes 65.3; 65.9; 72.1.
7724. A. E. Knorr. *Treating metallic mixtures.* Classes 07.6; 15.2; 15.4; 15.5; 15.6; 15.8; 16.2.
7783. T. H. Cole. *Storing products of combustion under pressure.* Classes 60.2; 61.9; 63.1; 66.2; 66.7; 69.4.
7853. Société Anon. des Tabacs, Désintoxiqués (Parant). *Removing nicotine.* Classes 09.6; 33.3.
7873. Ingersoll-Rand Co. (Prellwitz). *Hammer drills.* Class 85.8.
7898. E. Phillips (Lentz). *Valves for motors.* Class 66.7.
7908. M. D. Rochford. *Excavating machine.* Classes 59.5; 59.6; 84.6; 85.1; 91.8.
7909. J. Calder. *Shocking grain.* Class 32.2.
7911. E. Wrigley. *Splaying sheet bars.* Classes 71.5; 81.2.
7917. W. R. Comings. *Box machines.* Classes 48.3; 48.5; 60.3.
7920. W. Wilson (Waycott). *Screw cutting attachments.* Class 72.3.
7923. C. Newman. *Displaying advertisements.* Class 54.1.
7929. J. Brennan. *Knife cleaner, &c.* Class 75.2.
7940. H. J. Marks. *Automatic coüplings.* Class 96.3.

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7941. W. J. TEESE. *Milking apparatus.* Classes 36.1; 60.7; 69.4.
7944. Hon. A. J. DAVEY. *Military equipments.* Classes 57.8; 89.3.
7945. S. B. YEATES. *Recovering metals.* Class 12.5.
7948. R. W. VINING (MARTIN and SHEPHERD). *Magnetic clutches.* Classes 02.1; 04.3; 04.7; 62.8; 95.9.
7949. THE BAKAU CO. LTD. (MEIKLE). *Obtaining soluble extracts.* Classes 28.5; 33.1; 47.2.
8047. H. T. HIGSON. *Cattle rugs.* Class 39.5.
8099. H. A. ADAMS (NICHOLSON). *Spring invoice file.* Classes 48.8; 58.4.
8100. R. H. ANDERSON. *Rock drills.* Class 85.8.
8108. S. LAKE. *Raising sunken vessels.* Class 88.7.
8127. D. & F. W. SMITH. *Goloshes, &c.* Class 44.3.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

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Vol. 8.] 1908. [No. 3.

Tuesday, 28th January.

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193-5 COLLINS ST. MELBOURNE. NEXT PATENTS OFFICE

NOTICE IS HEREBY GIVEN that CHARLES ALBERT GOULD is prepared to satisfy all reasonable requirements of the public with respect to his Australian Patent No. 2249, dated 4th January, 1905, for

"Improvements in systems of electrical distribution and regulation."

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

NATIONAL CASH REGISTER COMPANY'S AUSTRALIA LETTERS PATENT No. 6563, dated 3rd August, 1906, for "Improvements in electric driving devices for cash registers."

NOTICE IS HEREBY GIVEN that the above Patentee is prepared to satisfy all reasonable requirements of the public with respect to the mentioned Australian Patent.

Cash registers in which is incorporated the stated patented invention are now on sale at fair and reasonable prices and may be ordered from any of the various depôts of the patentee in Australia.

Further particulars may be obtained from the Patentee at No. 335 Pitt Street, Sydney, where samples may be inspected, or from—

FRED WALSH,

Patent and Trade Mark Attorney,

George & Wynyard Streets, Sydney, and The Olderfleet, Collins Street, Melbourne.



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VOL. 8.] 28TH JANUARY, 1908. [No. 3.

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NOTICES.

Subscriptions for 1908.

Subscribers are reminded that, to insure continuity in the delivery of the *Australian Official Journal of Patents*, it is necessary that remittances should be paid to the Government Printer, Melbourne, as early as possible.

The annual subscription of 25s. includes both Vol. 7, Statistics and Indexes for 1907, and the Weekly Numbers of Vol. 8 for 1908, containing Applications, Proceedings, and Monthly Indexes.

A form of subscription order is printed on page iii of the advertisement sheets with this issue.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 16th to 22nd January, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 16th January.

10,660. *Prov.* Joseph PARKER, Tottenham, N.S.W., mine-owner,

"Improved auxiliary driving gear for bicycles."

10,661. *Comp.* Lewis Grant ABRAMS, Wigram-road, Glebe Point, N.S.W., millet broom manufacturer (*assignee of* Joseph Emill LARSON, *act. inv.*),

"An improved broom-corn, or millet harvesting machine."

10,662. *Prov.* James Francis CULLEN, Inverell, N.S.W., public school teacher,

"A combination scale and trammel head adapted to form a T-square."

Friday, 17th January.

10,663. *Prov.* Joseph Thomas NEEDHAM, Herberton, North Qld., saddler,

"An improved sugar cane harvester."

10,664. *Prov.* Charles Ernest WILLCOCKS, Nannine, W.A., hairdresser,

"Improved eye lotion."

10,665. *Prov.* Professor Dr. Richard Heinrich DEUTSCHMANN, 19 Alsterkamp, Hamburg, Germany, oculist,

Application under Sec. 85, additional to 6908/06.

"Improved method of obtaining animal serum."

10,666. *Prov.* Walter THOMSON, 72 Francis-street, Perth, W.A., decorator,

"The Thomson catch back door fastener."

10,667. *Prov.* Albert Wilhelm Heinrich BERGER, Mount Gambier, S.A., watchmaker,

"A contrivance for carrying and transferring stock and goods over a break of gauge in railway or tramway lines without handling the same and for the like purposes."

10,668. *Comp.* Joseph William JOHNS, Cleveland and Regent streets, Redfern, N.S.W.,

"Improvements to pulverising machines."

10,669. *Prov.* Alfred Frederick BRONNER, 117 Collins-street, Melbourne, Vic., specialist; Alfred Arthur QUICK, 46 Hilton-street, Clifton, Hill, Vic., driver; and Christopher James SPENCER, 265 Swanston-street, Melbourne, Vic., electrician,

"An improved apparatus for controlling and registering the supply of liquids into vessels for containing the same."

Saturday, 18th January.

10,670. *Prov.* THE AUSTRAL MANUFACTURING COMPANY PROPRIETARY LIMITED, Macaulay-road, North Melbourne, Vic., manufacturers (*assignee* of Robert GIBSON, *act. inv.*, managing director, Macaulay-road, North Melbourne, Vic.),

"Improved method and means for casting corner brackets on bedstead posts."

10,671. *Prov.* Walter John Fleetwood VARLEY, 454 Bridge-road, Richmond, Vic., commission agent,

"Improved brake apparatus for wheeled vehicles."

Applications received, 16th to 22nd January—*continued.*

10,672. *Prov.* John Joseph O'HARE, Nathalia, Vic., farmer,

"Improvements in apparatus usable for destroying rabbits and other animals by noxious fumes."

Monday, 20th January.

10,673. *Comp.* Gabriel FAVARD, 24 rue Copernic, Paris, France, engineer,

"Adhesive covering for pulleys."

10,674. *Comp.* Thomas David JONES, Gladstone Chambers, 90 Pitt-street, Sydney, N.S.W., financier, and Harold RINGSTAD, 10 Stirling-street, Redfern, N.S.W., factory manager (*assignees of* Jonathan Rankin HENDERSON, *act. inv.*),

"Counter advertising cabinet."

10,675. *Prov.* Sydney MOODY, Plenty-road, Preston, Vic., mechanical engineer,

"Improvements in machines for poisoning rabbits, and other rodents."

10,676. *Prov.* Murray Francis EDWARDS and James Patrick MCGINNESS, both of 571 Elizabeth-street, North Melbourne, Vic., manufacturers,

"An improved brand head for use on branding machines."

10,677. *Comp.* Daniel Frederick SMITH, 849 St. Nicholas-avenue, New York, U.S.A., artist, and William Francis PURCELL, 27A Second-street, Brooklyn, New York, U.S.A., machinist,

"Improvements in fluid pressure engines."

10,678. *Comp.* Walter Baker MOORE, 625 Colman Block, Seattle, King, Washington, U.S.A., gentleman,

"Improvements in magnetic separators."

10,679. *Comp.* Walter Baker MOORE, 625 Colman Block, Seattle, King, Washington, U.S.A., gentleman,

"An improved process of recovering magnetic particles in finely divided materials."

10,680. *Prov.* Robert HOULDEN, 103 Johnston-street, Fitzroy, Vic., dealer,

"An improved floor jack or cramp."

10,681. *Comp.* THE KENTUCKY TOBACCO PRODUCT COMPANY, Ninth and York streets, Louisville, Jefferson, Kentucky, U.S.A., manufacturer (*assignee of* George Bayless LINDENBERGER, *act. inv.*, Richmond, Henrico, Virginia, U.S.A., manager, and Robert Bacon ARNOLD, *act. inv.*, Boston, Suffolk, Mass., U.S.A., chemist),

"Improvements in art of treating tobacco stems and other tobacco material for recovery of valuable constituents."

10,682. *Comp.* George Garibaldi TURRI, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Zebulon Francis HIGHSMITH, *act. inv.*, Sumter, South Carolina, U.S.A., optician),

"Improvements in lens-drilling machines and the like."

Tuesday, 21st January.

10,683. *Comp.* George Alexander CARDWELL, 123 Liberty-street, New York, U.S.A., electrician,

"Telegraph typewriter."

10,684. *Comp.* David KELLOCK, Aligator Creek Meat Works, Townsville, Qld.,

"Water jacket furnace for sugar mill boilers."

10,685. *Comp.* David KELLOCK, Aligator Creek Meat Works, Townsville, Qld.,

"Compressed air engine supplying its own motive power."

10,686. *Prov.* Frank SPARROW, carpenter, and Reuben SPARROW, engineer, both of 164 Buckley-street, Essendon, Vic.,

"An improved dust suppressor and roof cooler."

10,687. *Prov.* William PALMER, 50 Bent-street, Moonee Ponds, Vic., carpenter,

"Improved adjustable ventilating sashes for window frames and the like."

10,688. *Comp.* FLINTKOTE MANUFACTURING COMPANY, Rutherford, New Jersey, U.S.A., manufacturer (*assignee of* Frederick Carroll OVERBURY, 252 West 89th-street, New York, U.S.A.),

"Roofing strips and method of making the same."

10,689. *Prov.* Lot Ebenezer SEELEY, 142 Flinders-street, Melbourne, Vic., range and stove manufacturer,

"Progressive fuel saver and heat regulator for register and tile grates."

Applications received, 16th to 22nd January—*continued.*

10,690. *Prov.* Samuel Kenneth McIVER, 111 Lydiard-street, Ballarat, Vic., plumber and ironfounder,

"An improved iron furnace or portable copper frame."

10,691. *Comp.* King Camp GILLETTE, *act. inv.*, 94 Marion-street, Brookline, Mass., U.S.A., manager,

Application under Sec. 7.

[N.S.W., 12,813; Vic., 20,117.]

"Improvements in safety and other razors."

Wednesday, 22nd January.

10,692. *Prov.* Edward Lawry SHORT, Ettiwanda-avenue, Mildura, Vic., fruit-grower,

"An improved pedestal closet seat."

10,693. *Prov.* James Edward HENRY, Bundara, N.S.W., carpenter,

"Improvements in return envelopes."

10,694. *Prov.* Harry BEST, 3 Drysdale-street, Malvern, Vic., gentleman,

"An improved chemical fire extinguishing powder."

10,695. *Comp.* Irene Rose KERBY, "The Wilderness," Hampton Wick, Middlesex, Eng., married woman, and John Montgomery GRAHAM, Park Lodge, Hampton-on-Thames, Middlesex, Eng., gentleman (*assignees of* Henry Francis JOEL, *act. inv.*, 74 Windsor-road, Forest Gate, Essex, Eng., engineer),

"Improvements in secondary batteries, plating baths, and the like."

10,696. *Prov.* John Henry PETERS, Cecil-street, Toowoomba, Qld., inventor and manufacturer,

"Improvements in coin-in-the-slot machines."

10,697. *Prov.* Samuel Richard HAWKE, Stephen-terrace, Walkerville, S.A., engineer,

"An improved method of coating ships' bottoms to prevent fouling and marine growth."

10,698. *Prov.* Ralph Byerley TAYLOR, Tamworth, N.S.W., agent,

"An improved means of hanging window sashes."

10,699. *Comp.* Richard CRAMP, 53 Dee-street, Brunswick road, Poplar, London, Eng., marine engineer,

Application under Sec. 121.

[Date applied for 1st Feb., 1907, being date of application in Great Britain, No. 2560/07.]

"Improvements in or relating to turbines."

10,700. *Comp.* Léon Auguste MARTHA, 24 Rue du Champ de Mars, Paris, France, engineer,

"Improvements in internal combustion engines."

10,701. *Comp.* Alfred William TORKINGTON, "Beaumont," Purley Vale, Purley, Surrey, Eng., manager,

"Improvements in or relating to rubber or the like tyres for motor or other vehicles or carriages."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,203. Edmanson, G. E..
10,231. Turner, W. A.
10,307. Clark, W. T.
10,369. Sinclair, R., & Jardine, W. R. (Jardine & Stewart)
10,384. Pullen, G. E.
An improved washer and wringer.
10,400. Curtis, W.
10,482. Wigg, R. W.
10,483. Daggar, H. V.
10,487. Murnane, C.
10,489. Russell, J. J.
10,490. Gordon, G. C.
10,493. Park, J. R. (Doig & Wilson)
10,494. Trotman, E. H.
10,498. Thorne, H., & Littlewood, T. J.
10,499. Arsenis, D. N.
10,501. Baird, H. R.
10,509. Bradshaw, W. C.
10,510. Potter, J.
10,512. Hamilton, H. T.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8381. Lewis Elijah Steele, Lincoln, Logan, Ill., U.S.A., engineer,

"Switch throwing mechanism." 21st Jan., 1908.

8473. Francis Ernest Stowe, Young-street, Croydon, N.S.W., civil engineer,

"An improved high pressure equilibrium valve." 14th Jan., 1908.

8485. Henry Edwin McDonald, Grand Pier Hotel, Manly, N.S.W., merchant,

"Improvements relating to baling presses." 16th Jan., 1908.

8498. Eustace Julian Keogh, 223 Toorak-road, South Yarra, Vic., surgeon (*assignee of* Frederick John Corbett, *act. inv.*),

"An improved hydraulic air-exhauster." 17th Jan., 1908.

8506. Joseph O'Connell, 42 Osborne-street, South Yarra, Vic., engineer,

"Improvements in cow milking apparatus." 18th Jan., 1908.

8863. Herbert Paddon Friend, 19 Victoria-square, Ashfield, N.S.W., jeweller,

"Improved fastening or setting for precious stones and the like." 20th Jan., 1908.

9378. Charles Adamson Smith, *act. inv.*, North Shore, Geelong, Vic., engineer; James Campbell Brown, *assignee*, Corio-street, Geelong, Vic., engineer; Alexander Ross Smith, *assignee*, North Shore, Geelong, Vic., salesman; and Alban Henry Wills, *assignee*, 90 Power-street, Hawthorn, Vic., manager,

"An improved docking and castrating apparatus." 20th Jan., 1908.

9637. William Harrison, Leonard's Hill, near Daylesford, Vic., engine-driver,

"Shank suspender for use in connection with stamper batteries." 15th Jan., 1908.

9816. Arthur Plush Langman, 76 Royal Arcade, Sydney, N.S.W., watchmaker,

"An improved needle threader." 20th Jan., 1908.

1908.

10,593. Charles Stanley Burgess, National Mutual Buildings, King William-street, Adelaide, S.A., patent attorney (*communicatee of* Anglo-Continentale (vormals Ohlendorff'sche) Guano-Werke, 27 Bergstrasse, Hamburg, Germany, manufacturers, *assignees of the act. inv.*),

"An aerating mill for fresh superphosphate and other warm materials in a damp condition." 20th Jan., 1908.

10,594. Charles Stanley Burgess, National Mutual Buildings, King William-street, Adelaide, S.A., patent attorney (*communicatee of* Anglo-Continentale (vormals Ohlendorff'sche, Guano-Werke, 27 Bergstrasse, Hamburg, Germany, manufacturers, *assignees of* Anton Peter Keller, *act. inv.*, Bergedorf, near Hamburg, Germany, engineer),

"Improvements in apparatus for emptying superphosphate pits or chambers." 21st January, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8233. Bentley, C.
8234. Cooper, I. H.
8235. Munt, F. W.
8236. Gay, W. H.
8237. Gannaway, C. H.
8238. Short, E. L., & Pickford, A.
8239. Neighbour, A. G. L.
8243. Claus, T.
8244. Wightman, G. F.
8248. Hooker, W.
8251. Bell, H. N.
8253. Lipscombe, A. J.
8254. Chambers, S.
8256. Zimpel, W.
8258. Fraser, A. J. P. (Browne)
8260. Jansen, T. G. & G. E.
8264. Andin, A. G.
8265. Kerr, H. H.
8266. Herman, S.
8268. Morris, J.

Assignments Registered.

Corrigendum.—In No. 2, page 22, *cancel* 3185, Assignment Registered, and *see* * below.

1904.

1507. "An improved apparatus for generating and utilising combustible gas."

Assignment of the whole *by* Henry Stedman CARR *to*

Alfred Frederick WALLIS. Dated 3rd Jan., 1908. Registered 16th Jan., 1908.

1905.

* 3185. "Manufacturing of explosives by means of bi-nitro or tri-nitro derivates of mesytilen and of pseudocumol."

Assignment of the whole *by* Dr. Gustav SCHULTZ and Fritz GEHRE *to*

Emilio BLECHER, Carlos LOPEZ, and Carl DISTLER. Dated 7th June, 1907. Registered 9th Jan., 1908.

3757. "Improvements in printing and developing photographs on silver chloride paper."

Assignment of the whole *by* Herbert John MALLABAR *to*

SYNOLOIDS LIMITED. Dated 20th Nov., 1907. Registered 16th Jan., 1908.

4238. "Apparatus for recovering precious metals."

Assignment of the whole *by* George Garibaldi TURRI *to*

THE LIGHTNER AIR AMALGAMATOR AND CONCENTRATOR COMPANY. Dated 10th Sept., 1907. Registered 14th Jan., 1908.

1906.

7118. "Improvements in rail joints."

Assignment of the whole *by* Anthony James CALLINAN *to*

Allington H. KRAMER. Dated 13th Dec., 1907. Registered 16th Jan., 1908.

1907.

8031. "Improvements in charts for drafting patterns for garments."

Assignment, so far as the State of Victoria is concerned, *by* Emily LANGER to

Mary Mackechnie BURTON. Dated 21st Feb., 1907. Registered 16th Jan., 1908.

8371. "Improvements in excavators."

Assignment of the whole *by* George Garibaldi TURRI *to*

Joseph William HARRIS. Dated 10th Jan., 1908. Registered 14th Jan., 1908.

Applications Abandoned, Withdrawn, &c.

1907.

7704. *C.a.P.* (*Abandoned.*) John KENNEDY, Miner's Rest, near Ballarat, Vic., threshing machine proprietor,

"An improved harvester attachment for more effectually removing dust and other refuse from the grain,"

7894. *Comp.* (*Abandoned.*) Harold Pogson WHITE, "Quantox," Park-road, Auburn, N.S.W., analyst and assayer,

"A method for the preparation of sulphuretted hydrogen gas."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

7816.*Reilly, J. G.
8161. Jefferies, J.
8173. Penzig, Emma E.
8196. Strickland, K. H.
8532. Angelini, G.
8627. Friend, J. E.
8714. The Sherardizing Synd. Ltd. & Gauntlett, F. W.
8936. Madden, A. T. (Cox)
9101. The Ludlow Co. (Ludlow)
9184. Francis, A. S.
9236. Veitch, T.
9266. McLeod, Marrianne E.
9510. Hackney, I. M.
9517. Fischer, F. A.
9553. Gilbert, H.
9563. Kavanagh, P.
9577. Phillips, E. (Wright)
9597.*Bardon, T.
9613. Alcock, F. A.
9616. Gunther, E., & Franke, R.
9668. Gribben, T. H.
9674. German, S.
9675. Patterson, J. M.
9699.*Lane, H.
9705. Higgin, H.
9706. Coleman, J. L., & Manley, L. B.
9713. Byrnes, S. H.
9722. Humphrey, H. A., & Cerasoli, A.
9731. Mower, E. B., & Johnson, E.
9737. Scott Electrical Co. (Scott)
9740. Colburn, I. W.
9764. Hakendorf, J. M.
9770. Lindsay, J. & R.
9779. Whitehorn, T.
9792. Waters, E. N. (Solis)
9794. Patterson, F. M., & Allen, J. H.
9799. Smith, T. A.
9800. Antoine, V.
9839. Hylard, J.
9849. Patterson, F. M.
9857. Fraser, F. (Mazlin)
9884. Larbalestier, E. R. S.
9886. Clegg, A.
9899. Ceipek, N.
9908. Turri, G. G. (Rippin)
9939. Ellis, S. T., & Bourchier, T. A.
9942. Garner, E.
9981. Pickering, P.
10,028. Sellenscheidt, C.
10,066. Thompson, G. S.
10,079. Cooke, W. A.
10,151. Finkler, D.
10,161. Siddall, A.
10,229. New Oil Refining Process Ltd. (McMullen)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

***In the following cases the particulars have been revised or varied, and are now printed in full:—**

7816. John Gavan Reilly, Post Office, Fitzroy, Vic., postmaster,

"A reversible label for mail bags and the like."

9597. Thomas Bardon, Spring-street, Waverley, N.S.W., boot manufacturer,

"Improvements in footwear."

9699. Henry Lane, Eagle Works, Wednesfield, Staffordshire, Eng., manufacturer,

Application under Sec. 121.

[Date applied for 30th Jan., 1907, being date of Application in Great Britain, No. 2388/07.]

"Improvements in and relating to spring traps."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.7	Piercing tube and thermometer for wool bales. (00.8; 37.6) ...	Fischer	9517
00.8	Piercing tube for placing hygroscopic test paper in wool bales. (00.7; 37.6)	Fischer	9517

Group 03.—Electric Railways and Power.

03.4	Pivoted telescopic trolley pole reversing without breaking contact ...	Lindsay	9770
03.4	Hinged trolley pole which falls horizontally on breaking contact ...	Thomson	10,066

Group 05.—Telegraphy and Telephony.

05.4	Motor operated printing receiver; typing cylinder with spring remontoire and two control magnets	Wright	9577
05.6	Microphone; central padded chamber for carbon granules, &c. ...	Angelini	8532

Group 06.—Electric Lamps.

06.2	Flame lamps; striking mechanisms; Zn-Al stops; diamagnetic screen and iron poles, &c. (19.2)	Scott	9737

Group 07.—Electrolysis and Batteries.

07.6	Separating nickel in solution from nickel matte anodes, in copper chloride bath; subsequent nickel electrolysis. (14.5)	Gunther	9616

Group 09.—Organic Chemistry.

09.3	Distilling crude oils by air blast; *see* 7348/*06*. (20.6; 28.5; 28.6)	McMullen	10,229

Group 10.—Crushing and Grinding.

10.8	Dough kneading; trough with longitudinal bar and cam work. (34.6; 60.2)	Rippin	C.a.P. 9908

Group 12.—Hyd. and Pneu. Separation.

12.2	Upward classifier used as pulp water purifier; self-forming filter layer. (28.1; 48.1; 83.1)	Antoine	9800

Group 14.—Leaching Metallurgy.

14.5	Chloridizing leach for nickel-copper matte, to separate sulphur and avoid oxidation. (07.6)	Gunther	9616
14.7	Leaching stirrer; reaction motor jets and train arm gearing. (60.2; 67.4)	Solis	9792

Group 15.—Metallurgy in Furnaces.

15.8	Galvanizing by cementation (Vic. 19,192/*02*); zinc powder with sand, &c. (73.1)	Gauntlett	8714

Complete Specifications Accepted—*continued.*

Group 16.—Furnaces.

16.33	Lever hook for holding up top board of smiths' bellows. (69.4) ...	Kavanagh	9563
16.40	Horizontal sheet glass furnace; conveyors, &c. (16.5; 16.6; 19.6; 59.6; 60.2)	Colburn	9740
16.5	Rabble or stirring arm in sheet glass drawing; elliptical path, &c. (16.40; 16.6; 19.6; 59.6; 60.2)	Colburn	9740
16.6	Bath furnace for sheet glass; *see* 6898/*06*. (16.40; 16.5; 19.6; 59.6; 60.2)	Colburn	9740

Group 19.—Glass and Ceramics.

19.2	Zinc-aluminium alloy for stops in flame arc lamps. (06.2) ...	Scott	9737
19.6	Drawing sheet glass from bath; many details following 6898/*06*. (16.40; 16.5; 16.6; 59.6; 60.2)	Colburn	9740

Group 20.—Solid and Liquid Fuel.

20.6	Distilling crude oils by air blast; *see* 7348/*06*. (09.3; 28.5; 28.6)	McMullen	10,229

Group 21.—Gas for Light and Heat.

21.4	Gas plant; convoluted passages with moving wire screens; hot air motor air pump; gasholder control of air inlet, &c. (23.5) ...	Cox	8936

Group 22.—Candles and Lamps.

22.5	Wire devices for preventing lamp chimneys breaking; 3 forms. (58.4)	Larbalestier	9884

Group 23.—Bunsen and Incand. Burners.

23.1	Confluent bunsen mixers for large downward mantles. (23.5) ...	Francis	9184
23.5	Mixing tube filled with metal balls. (21.4)	Cox	8936
23.5	Confluent bunsen mixers for large downward mantles. (23.1) ...	Francis	9184

Group 27.—Beverages.

27.3	Double tank; acid and carbonating solutions mixed through two-way tap. (29.7; 74.7)	Hakendorf	9764
27.5	Ball floats for external high pressure; relief aperture and lute bell. (63.7; 74.8)	Mower	9731

Group 28.—Distillation and Filtration.

28.1	Upward classifier used as pulp water purifier; self-forming filter layer. (12.2; 48.1; 83.1)	Antoine	9800
28.1	Filter elements; soft rubber packings with hard rubber linings. (47.5)	Sellenscheidt	10,028
28.5	Distilling crude oils by air blast; *see* 7348/*06*. (09.3; 20.6; 28.6)	McMullen	10,229
28.6	Distilling crude oils by air blast; *see* 7348/*06*. (09.3; 20.6; 28.5)	McMullen	10,229

Group 29.—Refrigeration.

29.7	Ice compartment in aerated water tanks. (27.3; 74.7)	Hakendorf	9764

Group 30.—Ploughing.

30.1	Curved tussock hoe or spade; serrated edges	Strickland C.a.P.	8196

Complete Specifications Accepted—*continued.*

Group 34.—Cereals, Vegetables, Fruit.

34.3	Disintegrating the cell walls of cereals to liberate albuminous parts; by grinding, freezing, chemicals, &c.	Finkler	10,151
34.6	Dough kneading; trough with longitudinal bar and cam work. (10.8; 60.2)	Rippin	C.a.P. 9908

Group 36.—Dairy Food.

36.1	Tail rope and spring snap hook for milking. (37.3; 57.8) ...	Ellis	9939
36.8	Wrapping rectangular packages, butter pats, &c. (57.4)	Patterson	9675

Group 37.—Pastoral.

37.3	Tail rope and spring snap hook for milking. (36.1; 57.8) ...	Ellis	9939
37.6	Piercing tube, with thermometer or test paper, or wool bales. (00.7; 00.8)	Fischer	9517

Group 38.—Fowling; Fishing; Trapping.

38.7	Detachable springs for jaw traps; 4 designs	Lane	9699

Group 39.—Harness; Animal Power.

39.5	Hinged knee and fetlock guard	Clegg	9886

Group 43.—Wearing Apparel.

43.1	22 garment charts, with directions for use	McLeod	9266
43.3	Insertion ribbon with open-work centre for ventilating hats, garments, &c. (43.8)	Garner	9942
43.8	Insertion ribbon with open-work centre for ventilating hats, garments, &c. (43.3)	Garner	9942

Group 44.—Boots and Shoes; Umbrellas.

44.1	Shoe upper with integral ankle and instep straps	Bardon	9597

Group 45.—Furniture.

45.3	Removable cushions for dining-billiard tables; clamps, &c. (53.6)	Alcock	C.a.P. 9613

Group 47.—Leather and Plastics.

47.5	Filter elements; soft rubber packings with hard rubber linings. (28.1)	Sellenscheidt	10,028

Group 48.—Paper; Bookbinding.

48.1	Purifying pulp water by alumina sulphate and upward filtration. (12.2; 28.1; 83.1)	Antoine	9800

Group 50.—Typographic Printing.

50.5	Combined magazine, assembling and justifying frame, for tapered typograph matrices	Ludlow	9101

Group 53.—Amusements.

53.6	Wooden billiard playing surface for use on tables; pocket hole framing, &c.	Jefferies	C.a.P. 8161
53.6	Removable cushions for billiard-dining tables; clamps, &c. (45.3)	Alcock	C.a.P. 9613

Complete Specifications Accepted—*continued.*

Group 54.—Commerce.

54.3	Disc and cord address label, with rotary reversible shutter; lead seal	Reilly	C.a.P. 7816
54.7	Sheet metal suspender or display bracket adaptable to many articles; 3 forms. (78.9)	Sidall	10,161

Group 57.—Packing, Compressing, Bottling.

57.4	Wrapping rectangular packages, butter pats, &c. (36.8)	Patterson	9675
57.4	Vertical percussion table for packing tea, &c.; with bag holders. (60.3)	Whitehorn	C.a.P. 9779
57.8	Spring snap hook for animals' tails. (36.1; 37.3)	Ellis	9939

Group 58.—Chains, Ropes, Wire.

58.4	Wire devices for preventing lamp chimneys breaking; 3 forms. (22.5)	Larbalestier	9884
58.4	Collapsible bracket hook for weather board walls; 3 styles. (78.9; 79.4)	Pickering	9981

Group 59.—Conveying and Lifting.

59.1	Telescopic standpipe used as firemen's hoisting mast and crane. (65.1; 88.4)	German	9674
59.1	Whip pulley; notched rims for optional rope grip	Coleman	9706
59.4	Mine haulage cable grip; clamp blocks with lever-cam and screw ...	Byrnes	9713
59.6	Roller-chain conveyors in sheet glass furnace. (16.40; 16.5; 16.6; 19.6; 60.2)	Colburn	9740

Group 60.—Mechanism; Lubrication.

60.2	Mutilated sector gear for glass rabble. (16.40; 16.5; 16.6; 19.6; 59.6)	Colburn	9740
60.2	Train-arm rotary stirrers; with reaction jet-motors. (14.7; 67.4) ...	Solis	0792
60.2	Cam and link actions for trough and bar kneading machines. (10.8; 34.6)	Rippin	C.a.P. 9908
60.3	Vertical percussion table for packing tea, &c.; with bag holders. (57.4)	Whitehorn	C.a.P. 9779

Group 62.—Power Storage.

62.7	Pulley peripheries of alternate metal and non-slipping materials. (97.2)	Smith	9799

Group 63.—Steam Power.

63.7	Ball floats for external high pressure; relief aperture and lute bell. (27.5; 74.8)	Mower	9731
63.7	Blow-off valve; rotary self-grinding face; conical lever flange. (74.7)	Patterson	9849

Group 65.—Reciprocating Motors.

65.1	Telescopic stand pipes used as firemen's hoisting masts and cranes. (59.1; 88.4)	German	9674

Complete Specifications Accepted—*continued.*

Group 66.—Gas and Oil Engines.

66.2	Annular chamber, rotary abutment; reciprocating compressor. (66.7)	Friend	8627
66.2	Pistonless explosion pump; inertia scavenging; water hammer compression. (66.7; 68.1; 68.6)	Humphrey	9722
66.7	Annular chamber, rotary abutment; reciprocating compressor. (66.2)	Friend	8627
66.7	Compressed air starting power; cam operated air ports with non-return valve	Veitch	9236
66.7	Fly-over valve gear for pistonless explosion and inertia pump. (66.2; 68.1; 68.6)	Humphrey	9722

Group 67.—Turbines; Rotary Motors.

67.4	Reaction jet motors in leaching stirrers. (14.7; 60.2)	Solis	9792

Group 68.—Pumps for Liquids.

68.1	Water-hammer, &c., operates compression and valves of explosion pump. (66.2; 66.7; 68.6)	Humphrey	9722
68.6	Pistonless explosion pump; inertia scavenging; water hammer compression. (66.2; 66.7; 68.1)	Humphrey	9722

Group 69.—Blowers and Compressors.

69.4	Lever hook for holding up top board of smiths' bellows. (16.33) ...	Kavanagh	9563

Group 71.—Forging, Rolling, &c.

71.3	Tyre up-setting press; wedge grips; large and small eccentrics; lever ratchet gear. (93.4)	Hackney	9510

Group 73.—Sheet Metal Work.

73.1	Galvanizing by cementation (Vic. 19,192/02); zinc powder with sand, &c. (15.8)	Gauntlett	8714
73.8	Tubular buggy underframes of folded sheet metal attachments, &c. (93.3)	Higgin	9705

Group 74.—Pipes and Fittings.

74.6	Expanding die and hydraulic cone ram, for expand-pipe ends in flanges	Patterson	9794
74.7	Two-way bib-tap for mixing aerated beverages. (27.3; 29.7) ...	Hakendorf	9764
74.7	Lever operated slide valve; rotating self grinding face; conical lever flange. (63.7)	Patterson	9849
74.8	Ball floats for external high pressure; relief aperture and lute bell. (27.5; 63.7)	Mower	9731

Group 78.—Structural Hardware.

78.9	Painters' collapsible can hook and bracket for weather board walls; 3 styles. (58.4; 79.4)	Pickering	9981
78.9	Sheet metal suspender or display bracket adaptable to many articles; 3 forms. (54.7)	Sidall	10,161

Group 79.—Paints, Adhesives, &c.

79.4	Painters' collapsible can hook and bracket for weather board walls; 3 styles. (58.4; 78.9)	Pickering	9981

Group 81.—Buildings, Streets, Fencing.

81.3	Telescopic spring centre pole for bell tents	Gilbert	9553

Complete Specifications Accepted—*continued.*

Group 83.—Waterworks.

83.1	Purifying pulp water by alumina sulphate and upward filtration. (12.2 ; 28.1 ; 48.1)		Antoine	9800

Group 84.—Excavation and Dredging.

84.1	Pick head ; sockets for loose points with inner clearance		Mazlin	9857

Group 86.—Sanitation.

86.2	Refuse bin ; perforated bottom above disinfectant drawer.	(86.5)	Penzig	C.a.P. 8173
86.5	Refuse bin ; perforated bottom above disinfectant drawer.	(86.2)	Penzig	C.a.P. 8173

Group 87.—Medicine.

87.1	Prescription for sea sickness ; atropine, strychnine, &c.		Cooke	10,079

Group 88.—Salvage, Accidents.

88.4	Portable telescopic mast, stand pipe, elevator ; ladder, shield, &c. (59.1 ; 65.1)		German	9674

Group 89.—War.

89.3	Clip loading magazine rifle ; bolt action		Hylard	C.a.P. 9839
89.8	Ammonium nitrate and carbonized turmerie ; optional nitro-constituents		Ceipek	9899

Group 93.—Road Vehicles.

93.3	Tubular buggy underframes of folded sheet metal ; attachments, &c. (73.8)		Higgin	9705
93.4	Tyre up-setting press ; wedge grips ; large and small eccentrics ; lever ratchet gear. (71.3)		Hackney	9510
93.7	Angle-iron swingle trees ; 4-horse equalizers and couplings ...		Gribben	C.a.P. 9668

Group 97.—Wheels.

97.2	Wheel peripheries of alternate metal and non-slipping materials. (62.7)		Smith	9799

Complete Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,619. Robert Falkland CAREY, 18 Carlton-terrace, Finchley-road, Childs Hill, London, Eng., engineer,

Application under Section 121.

[Date applied for 15th Jan., 1907, being date of application in Great Britain, No. 1071/07.]

"Improved construction of mechanism for opening and closing doors."

10,620. George Robert SISTERSON, 12 Great James-street, Bedford-row, London W.C., Eng., engineer,

Application under Sec. 121.

[Date applied for 11th Jan., 1907, being date of application in Great Britain, No. 810/07.]

"Improvements in and connected with the treatment of steam for steam engines."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

7258. G. Fischer. *Sewing straw plait.* Classes 42.3; 43.8; 60.2.
7263. W. H. Jamieson. *Safety hook and shackle.* Class 58.7.
7328. Un. Shoe Mach. Co. (Fuller). *Sewing machine guides.* Classes 42.7; 44.5.
7329. Un. Shoe Mach. Co. (Winkley). *Sewing machines.* Classes 42.7; 44.5; 61.5.
7421. Cork Asphalt Ltd. (Hughes and Others). *Making blocks, &c.* Class 18.5.
7497. E. G. Griffiths (Basedow). *Leaching gold and copper ores.* Classes 14.1; 15.2.
7539. Gies Gear Co. (Gies). *Reversing gears.* Classes 60.2; 95.9.
7610. R. Beresford. *Wheel rims.* Class 97.83.

1907.

7709. R. K. Sinclair. *Wind guards for tobacco pipes.* Class 33.5.
7790. O. Pihlfeldt. *Fixing parts of cycles.* Classes 74.5; 94.3.
7951. A. Fischer. *Talking machines.* Classes 01.7; 74.5.
7952. H. W. E. Josling. *Prevention of refilling bottles.* Class 57.6.
7954. H. J. West & Co. Ltd. (Bruce). *Bottling liquids.* Class 27.5.
7965. G. D. Brehaut. *Shaft couplings.* Class 93.7.
7968. W. J. Teese. *Piping for milking apparatus.* Classes 36.1; 74.5.
7989. A. W. Carpenter. *Elastic tyres.* Class 97.6.
7990. Aktie. Nautiska Instrument (Berglund and Others). *Telegraphing sounds.* Classes 05.2; 05.6.
7991. Aktie. Nautiska Instrument (Berglund and Others). *Microphones.* Class 05.6.
7992. Aktie. Nautiska Instrument (Hjorth). *Microphone carbon-holders.* Class 05.6.
7994. F. Bachmann. *Electric furnaces.* Class 06.8.
8002. A. Taylor. *Concentrating minerals.* Classes 12.2; 60.4.
8036. W. E. Adams. *Construction of walls.* Class 81.2.
8040. C. H. Cheesbrough. *Anti-damp boot sole.* Class 44.3.

Printed Specifications Published—*continued.*

1907.

8042. MENCE and STEWART. *Ridge capping.* Classes 73.8; 81.4.
8050. MCLENNAN and CRADDOCK. *Spinal brushing, &c.* Classes 25.8; 87.3.
8058. J. C. GELLY. *Current motors.* Class 67.5.
8063. T. WALLS. *Furniture construction.* Class 45.9.
8064. G. G. TURRI (HILL). *Lawn mowers.* Class 32.2.
8074. N. GOODYEAR. *Acetylene generators.* Classes 21.6; 21.89.
8076. J. NUGENT. *Wheel tyres.* Class 93.4.
8084. RAILWAY SUPPLIES LTD. (WILLIAMS and SEWARD). *Splice bars.* Classes 71.4; 98.1.
8096. H. PATAUD. *Wheel rims.* Class 97.81.
8146. G. E. CLARKE. *Canvas apron tighteners.* Classes 32.2; 59.6; 62.7.
8147. G. RISCHMULLER. *Turbines.* Classes 67.1; 67.2.
8149. J. MCK. SUTHERLAND. *Opening gates.* Classes 78.5; 81.9.
8152. R. E. REARDON. *Rifle sights.* Class 89.5.
8166. H. MEISTER. *Fly-exterminator.* Class 38.9.
8186. I. P. B. KNUDSEN. *Centrifugal separators.* Classes 36.6; 60.4.
8187. I. P. B. KNUDSEN. *Bearing.* Classes 36.6; 60.4; 60.7.
8197. S. E. BELL. *Milk buckets, &c.* Classes 36.2; 56.6; 57.2.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page
	1906.	*13th January, 1908.*			
6922	13 Sept.	The Cable Company (Klugh)	U.S.A.	Mechanical musical instruments	490
7676	29 Dec.	A. Cowell & J. Phillips ...	Qld.	Fencing dropper... ...	494
	1907.				
7993	11 Feb.	Aktie. Nautiska Instrument (Hjorth, Ljungman, & Berglund)	Sweden	Portable telephone, &c. ...	79
8004	13 Feb.	F. H. Mitton	S.A.	Fodder for animals ...	80
8065	22 Feb.	W. A. Merralls	U.S.A.	Cyaniding	107
8177	6 Mar.	Oneida Community Ld. (Collins & Wright)	U.S.A.	Spring-jaw traps ...	479
8188	6 Mar.	L. Anker	Germany	Filter-plates packing ...	125
8190	7 Mar.	Brit. Westinghouse E. & M. Co. Ld. (Lamme)	Eng.	Dynamo-electric machines...	138
8191	7 Mar.	Brit. Westinghouse E. & M. Co. Ld. (Lamme)	Eng.	Commutator type-motors ...	138
8192	7 Mar.	Brit. Westinghouse E. & M. Co. Ld. (Lamme)	Eng.	Dynamo-electric machines...	139
8218	11 Mar.	Chloride Electrical Storage Co. Ld. (Heap)	Eng.	Accumulator batteries ...	140
8222	12 Mar.	P. O. Pedersen	Denmark	Wireless telegraphy	141
8228	12 Mar.	J. H. Cartland & J. Lilly	Eng.	Casement mechanism ...	141
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8252	16 Mar.	A. Hankinson	N.S.W.	Concrete floors	154
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4539	6 Nov.	Aktie. Separator (Ljungström)	Sweden	Centrifugal separators ...	658
	1906.				
6925	14 Sept.	G. H. Dunlop	Vic.	Excavating, &c., machinery	427
	1907.				
8057	21 Feb.	Société Anonyme Westinghouse (Leblanc)	France	Surface condensers ...	106
8124	27 Feb.	Thermos Gesellschaft m.b.H. (Burger)	Germany	Double-walled vessels ...	110
8153	2 Mar.	C. E. Wade & R. R. Vaughn	U.S.A.	Artificial lumber... ...	123
8219	11 Mar.	E. N. Waters (Wood) ..	U.S.A.	Cooling stereotypes, &c. ...	140
8226	12 Mar.	E. N. Waters (Wood) ...	U.S.A.	Curved stereotypes, &c. ...	141
8259	18 Mar.	E. N. Waters (Albrecht)...	Germany	Incandescent mantles ...	155
8272	20 Mar.	Checkogram Ltd. (Stockall)	Eng.	Elec. circuit closing ...	155
8318	25 Mar.	A. Vogelgesang	Germany	Insulating material ...	172

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No.	Date of Application.	Name of Grantee.	Country of Origin	Abbreviated Title.	Page.
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6993	24 Sept.	C. E. Glass	Vic.	Abdominal support ...	336
6995	24 Sept.	W. H. Norton	N.S.W.	Canvas backed chairs ...	371
7084	8 Oct.	A. R. Angus	N.S.W.	Railway car running gear ...	478
7492	1 Dec.	G. R. & O. F. Gordon ...	Tas.	Manure	529
	1907.				
7687	2 Jan.	R. Stanley	Eng.	Treating ores	562
7708	3 Jan.	C. E. C. Landsperg ...	Denmark	Preserving eggs	5
7749	8 Jan.	F. I. & W. H. Dutch ...	S.A.	Threshing, &c., peas ...	479
7768	11 Jan.	J. Aivaz & H. Kurkiewicz	Russia	Cigarette manufacture ...	22
8038	20 Feb.	W. P. Magee	N.S.W.	Horse race starting ...	91
8178	6 Mar.	P. Schmidt & A. Desgraz	Germany	Zinc ore furnace ...	124
8215	11 Mar.	H. P. Pearson	Eng.	Straw, &c., hats ...	140
8227	12 Mar.	J. H. Cartland & J. Lilly	Eng.	Opening, &c., windows ...	141
8231	12 Mar.	Inter. Sand-Blast Co. (Kelly)	U.S.A.	Sand-blast apparatus ...	141
8282	21 Mar.	L. & D. H. Burrell (Hoyt)	U.S.A.	Centrifugal machines. ...	170
8319	25 Mar.	C. Whitfield	Eng.	Furnace grates	172
8321	25 Mar.	W. Tyree	N.S.W.	Automatic paint spray ...	172
8333	27 Mar.	J. McGrath	Vic.	Lamp reflector	173
8442	9 Apr.	Compagnie Parisienne des Voitures Electriques (Procédés Krieger) (Krieger)	France	Electric commutators ...	193
8457	11 Apr.	R. Ireland & H. W. Cole	W.A.	Pneumatic skull cap ...	206
8465	12 Apr.	E. Coombs	Vic.	Fibrous plastering ...	206
8493	17 Apr.	Aktie. Baltic-Separator (Risberg)	Sweden	Butter	208
8508	18 Apr.	J. E. Friend	N.S.W.	Rotary steam engines ...	218
8519	19 Apr.	W. Baldwin	N.S.W.	Waterproofing floors, &c. ...	219
8530	23 Apr.	M. L. Krimer	Eng.	Removing hair	220
8531	23 Apr.	H. W. Dover	Eng.	Pneumatic tyres... ...	220
8551	24 Apr.	H. E. Brown	Eng.	Brake mechanism ...	221
8552	24 Apr.	E. D. C. Bayne & L. A. Subers	U.S.A.	Winding pneumatic tyre cases, &c.	221
8553	24 Apr.	A. G. Betts	U.S.A.	Treating anode slime ...	221

Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1906.				
6926	14 Sept.	J. R. Shepherdson ...	Vic.	Cutting reeds, &c. ...	356
6988	22 Sept.	C. Cannell	Tas.	Docking lambs' tails ...	282

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1899.

No.	Name.	Paid up to—
5296 ...	Abell, E. G.	5th Dec., 1913

1900.

5406 ...	Ore Concentration (1905) Ltd.	2nd Mar., 1914

1904.

7623 ...	Cooper, J. E.	5th Jan., 1912
7682 ...	Hucks, W.	28th Mar., 1912

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 *When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus*—3787/*N.R.; or as the case may be.*

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
6890/5124 ...	Concentrated Beer Co.	7th Jan., 1915
6927/5155 ...	Inter. Plasmon Ld.	4th Feb., 1915

1903.

8811/6418 ...	Bayston, W. S. ...	29th Dec., 1917

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3259 ...	Concentrated Beer Co. Ld.	3rd Jan., 1915
3299 ...	Inter. Plasmon Ld. ...	12th Feb., 1915

1904.

4799 ...	Marshall, H., & Maton, J.	2nd Feb., 1911

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

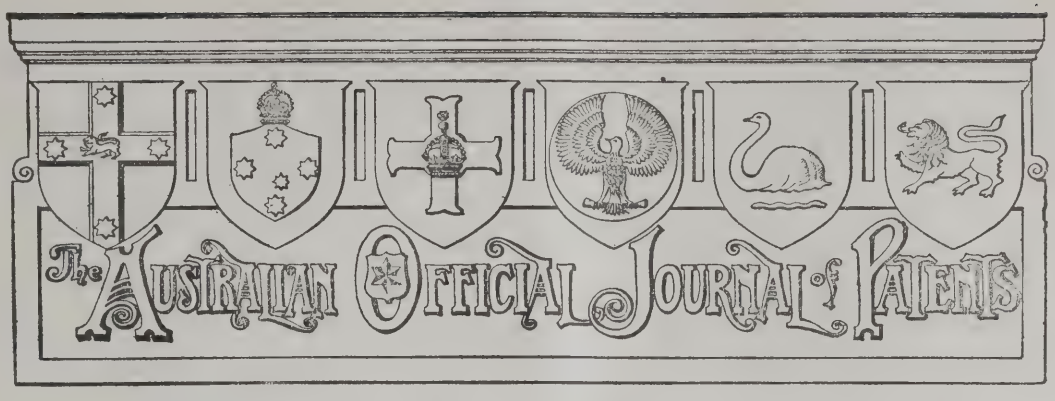
Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
2082 ...	Inter. Plasmon Ld. ...	5th Feb., 1915

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or			
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27. For enlargement of time for lodging complete specification	1	0	0
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33. On entering caveat	5	0	0
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35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
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Vol. 8.] 1908. [No. 4.

Tuesday, 4th February.

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Applications Received, 10,702 to 10,733.

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393 COLLINS ST. MELBOURNE. NEXT PATENTS OFFICE

NATIONAL CASH REGISTER COMPANY'S AUSTRALIA LETTERS PATENT No. 6563, dated 3rd August, 1906, for "Improvements in electric driving devices for cash registers."

NOTICE IS HEREBY GIVEN that the above Patentee is prepared to satisfy all reasonable requirements of the public with respect to the mentioned Australian Patent.

Cash registers in which is incorporated the stated patented invention are now on sale at fair and reasonable prices and may be ordered from any of the various depôts of the patentee n Australia.

Further particulars may be obtained from the Patentee at No. 335 Pitt Street, Sydney, where samples may be inspected, or from—

FRED WALSH,

Patent and Trade Mark Attorney,

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DAVID HAMLIN BURRELL and EDWARD JONATHAN BURRELL'S AUSTRALIA LETTERS PATENT No. 2388, dated 26th January, 1905, for "Improvements in milking machines."

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Specification and drawings of the patent may be inspected at the Custom Houses of the Capital Cities of the States.

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"Improvements in glass-shaping machines." (WILLIAM EMIL BOCK.)

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that the beneficial owners are prepared to satisfy all reasonable requirements of the public with respect to their Australian patents as follows :—

No. 2793, dated 22nd March, 1905, for—"Improvements in method of recovering values from ores by dissolving in molten baths." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 2794, dated 22nd March, 1905, for—"Improvements in method of smelting ores and cleaning converter slags." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 3250, dated 24th May, 1905, for—"Method of converting copper mattes." (CHARLES MAURICE ALLEN.)

No. 3251, dated 24th May, 1905, for—"Method of smelting ores and separating mattes." (RALPH BAGGALEY, CHARLES MAURICE ALLEN, and EDWARD WILLIAM LINDQUIST.)

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VOL. 8.] 4TH FEBRUARY, 1908. [No. 4.

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A form of subscription order is printed on page iii of the advertisement sheets with this issue.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 23rd to 29th January, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 23rd January.

10,702. *Comp.* Hill, Dickinson and Magill Limited, 131 York-street, Sydney, N.S.W., merchants (*assignee of* George Alfred Allinson, *act. inv.*),

"A horse rug and improved means for securing the same."

10,703. *Prov.* Evelyn Mary Batho, 311 Crown-road, Ultimo, N.S.W., married woman,

"A lady's improved hat holder."

10,704. *Prov.* Charles James Samuels, 15 Young-street, Redfern, N.S.W., clerk,

"An improved means of irrigation."

10,705. *Prov.* John H. de Lutwyche, *act. inv.*, engineer, and Edward Charles James, *assignee*, gentleman, both of 9 Audley-street, Hobart, Tas.,

"Improvements in and connected with pumps for mines."

10,706. *Prov.* Meredith Roberts Green, 25 Niagara-lane, Melbourne, Vic., merchant,

"An improved device for preventing the fraudulent refilling of bottles."

10,707. *Prov.* Charles Henry Osborne, Stawell-street, Burnley, Vic., brewer,

"Improvement in or connected with vessels for containing liquids under pressure such as fermented or aerated beverages."

10,708. *Prov.* Philip Mulholland, Foveaux-street, Sydney, N.S.W., ex-loco. driver, and George Henry Lovett, Kogarah, N.S.W., gentleman,

"Combined smoke consumer, spark arrester, and fuel economiser."

10,709. *Prov.* Francis Hesleden Liddle Binney, 550 Hay-street, Perth, W.A., chemical manufacturer, and Maurice Bernard, Stirling-street, Perth, W.A., canvasser,

"An improved automatic acetylene gas generator."

10,710. *Prov.* Charles Edwin Barrett, Melton Railway Station, Vic., farmer, and John Turner Elmes, Eynesbury, Melton Railway Station, Vic., station manager,

"Improved attachable ears for buckets and the like."

10,711. *Prov.* Charles Edwin Barrett, Melton Railway Station, Vic., farmer, and James Turner Elmes, Eynesbury, Melton Railway Station, Vic., station manager,

"An improved draught-bar for vehicles."

10,712. *Prov.* William Webb Campbell, 249 Clarence-street, Sydney, N.S.W., merchant (*communicatee of* Traphagen and Hull Manufacturing Company, Kingston, Ulster, New York, U.S.A., manufacturers),

"An improved convertible chair or table."

Friday, 24th January.

10,713. *Prov.* Walter Leslie Davey, "Thorsby Grove," Ivanhoe, Vic., journalist and accountant, and Albert James Maucum, 14 Blessington-street, St. Kilda, Vic., printer,

"Improvements in the ventilating and cooling of apartments."

10,714. *Prov.* Nehemiah Guthridge, 486 Collins-street, Melbourne, Vic., merchant (*assignee of* Frederick Capel Brown, *act. inv.*, Komata, N.Z.),

"Improvements in slime filters."

Applications received, 23rd to 29th January—*continued.*

10,715. *Prov.* Felix George Brown, 9 Lily-street, Bendigo, Vic., fitter,

"An improved movable ladder for rifle shooting."

10,716. *Comp.* Charles Grindell Hurrey, 92 Victoria-road, Auburn, Vic., mechanic,

"A rotary electric flayer."

10,717. *Prov.* Robert Gray and Godfrey Harris, Hyde-street, Adelaide, S.A., furniture manufacturers,

"An improved folding or deck chair."

10,718. *Prov.* Ernest Henry Fairfax, "Banksea," North Steyne, Manly, N.S.W., clerk,

"Automatic candle extinguisher."

10,719. *Prov.* John Eckersley, 235 Victoria-road, Marrickville, N.S.W., engineer,

"An improved polishing powder and paste."

Saturday, 25th January.

10,720. *Prov.* John Marshall O'Neill, trading as Edmiston and O'Neill, 4 Somerset-place, off Post Office-place, Melbourne, Vic., electrical engineer,

"An improved mechanically operated rotary fan principally for factory use."

Monday, 27th January.

Public Holiday.

Tuesday, 28th January.

10,721. *Prov.* Harold Charles L'Oste Rolfe, 33 William-street, Melbourne, Vic., manufacturer,

"Improvements in and relating to counters, indicators, and like devices."

10,722. *Prov.* Harold Charles L'Oste Rolfe, 33 William-street, Melbourne, Vic., manufacturer,

"Improvements in and relating to telephone call recording systems and apparatus therefor."

10,723. *Prov.* Benjamin Trewhella and William Trewhella, trading as "Trewhella Brothers," Trentham, Vic., engineers and ironworkers (*assignees of* William Trewhella, *act. inv.*, Trentham, Vic., engineer and ironworker),

"Improved rope hauling apparatus."

10,724. *Comp.* Bernhard Baruschke and G. Max Jenckel, both of 7 Passage Scholvien, Hamburg, Germany, engineers,

"Improvements in a process and an apparatus to determinate animals living underground and noxious insects in houses or on ships."

10,725. *Prov.* Robert Houlden, 105 Johnston-street, Fitzroy, Vic., dealer (*assignee of* William Haslam, *act. inv.*, 913 Drummond-street, Carlton, Vic., engineer),

"Improvements in or attachable to lawn-mowing machines."

10,726. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Linotype and Machinery Limited, 188 and 189 Fleet-street, London, Eng., *assignees of* John Glennie Holbourns, *act. inv.*, 188 and 189 Fleet-street, London, Eng., linotype operator, and Henry Alexander Longhurst, *act. inv.*, 1 Bethune-road, Stoke Newington, Middlesex, Eng., engineer),

"Improvements in linotype machines."

10,727. *Comp.* Oscar Mortensen, Freeport, Copenhagen, Denmark, engineer,

"Improvements in or relating to milking machines."

10,728. *Prov.* John William Duesbury, merchant, c/o The Merchants and Traders Association Ltd., 7 Moore-street, Sydney, N.S.W. (*communicatee of* Edgar A. Custer, *act. inv.*, Philadelphia, Penn., U.S.A., inventor),

"Improvements in the method of casting metal pipes and means therefor."

10,729. *Prov.* Romney Joseph Brunt, *act. inv.*, Park-road, Linwood, Christchurch, N.Z., builder; John Burns, *act. inv.*, Peterborough-street, Christchurch, N.Z., engineer; Percival Victor Sharp, *act. inv.*, 326 Oxford-terrace, Christchurch, N.Z., factory manager; and John Lang, *assignee*, Hill View-street, Linwood, Christchurch, N.Z., decorator,

"Improved machine for cutting out fabric and other textile or flexible material to pattern."

Applications received, 23rd to 29th January—*continued.*

Wednesday, 29th January.

10,730. *Prov.* George Edwin Morter, Brooke-street, Smythesdale, Vic., dredge manager,

"An improvement in sluicing apparatus for saving gold."

10,731. *Prov.* Frederick Mitchell, Playne-street, Heathcote, Vic., mine manager,

"An improved device for shelling green peas."

10,732. *Prov.* Walter Cardiff Mead, High-street, Maldon, Vic., mechanic,

"Improvements in the handles of cycles."

10,733. *Prov.* John Osmond, Jung Jung, Vic., hotelkeeper.

"An improved cooling attachment for vessels and other articles."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,207. Noller, C. H., & O'Reilly, P.E.
10,257. Appleby, W. B. G., & Cole, C. G.
10,294. Millis, R., *131 Princes-street, South Dunedin, N.Z.*
10,348. Millis, R., *131 Princes-street, South Dunedin, N.Z.*
10,351. Wood, A. H. *Fireclay washing boiler.*
10,442. Cudmore, M. R. (Morgan)
10,460. Christie, C. *Typewriter sight-shield, and copy shelf.*
10,477. Stevenson, R. A.
10,515. Hughes, G. P., & Harrison, W.
10,516. Mitchell, T., & Burns, W.
10,517. Angus, A. R.
10,519. Turton, J., & Hayes, J. R. S.
10,522. Tutton, A.
10,528. Kemp, R. M.
10,530. Benn, B. W.
10,531. McKay, H. V.
10,532. Bronner, A. F., Quick, A. A., & Spencer, C. J.
10,533. Bronner, A. F., Quick, A. A., & Spencer, C. J.
10,539. Paul, C. H. R.
10,542. Austin, T. R. L.
10,543. Nathan, C. S.
10,544. Smith, R. B.
10,551. Taylor, D. H.
10,553. Olding, G. H.
10,558. McNab, N. S., & Link, J. S.
10,565. Keogh, E. J. (Corbett).
10,569. Alcock, F. A.
10,571. Rolfe, H. C. L'O.
10,572. Miller, P.
10,574. Pearce, P.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8309. Richard Henry Northway, Moonta Bay, S.A., machinist,

"An improved spark arrester." 25th Jan., 1908.

8331. Charles William Gordon, 83A Capel-street, West Melbourne, Vic., manufacturer,

"An improved toe-strap for cycles." 25th Jan., 1908.

8544. Charles Joseph Pittman, *act. inv.*, Young and Phillip streets, Redfern, N.S.W., carriage builder, and Frank Ireland, *assignee*, 7 Moore-street, Sydney, N.S.W., merchant,

"Improved differential gear for motor vehicles." 24th Jan., 1908.

8572. Massey-Harris Company Limited, 915 King-street west, Toronto, York, Ontario, Canada, manufacturers (*assignee of* Matthew William Charlton, *act. inv.*, 19 Steel-street, Newport, Vic., engineer),

"Improvements in grain harvesters." 25th Jan., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

8595. Frederick Clutsam, "Lauderdale," St. Kilda-road, St. Kilda, Vic., musician,

"Improvements in pianofortes, organs, and like musical instruments." 29th Jan., 1908.

8631. Ellen Maria Johnson, Woodville, Hawkes Bay, N.Z.,

"Improved composition for the feeding of calves and other animals." 24th Jan., 1908.

8705. John Gair, 486 Bourke-street, Melbourne, Vic., sail and tent maker,

"An improved horse and cattle cover." 25th Jan., 1908.

8745. Nehemiah Guthridge, 486 Collins-street, Melbourne, Vic., merchant (*assignee of* Frederick Capel Brown, *act. inv.*),

"An improved lining for tube-mills and ball-mills and similar grinding and pulverizing machines." 24th Jan., 1908.

8864. Francis Ernest Stowe, Young-street, Croydon, N.S.W., civil engineer,

"A non-jamming fluid stop valve attachment." 28th Jan., 1908.

9134. Frederick Mitchell, *act. inv.*, Playne-street, Heathcote, Vic., mine manager, and James Thornton Beckett, *assignee*, 18 Albert-road, South Melbourne, Vic., journalist.

"An egg beater." 29th Jan., 1908.

10,020. Daniel Joseph O'Connor, Busselton, W.A., farmer,

"Portable capstan tree puller." 22nd Jan., 1908.

10,377. John Frederick Burrows, Thornhill-street, Young, N.S.W., ironmonger,

"A rabbit burrow fumigator." 28th Jan., 1908.

10,514. Lux Foundry Proprietary Limited, Hope-street, Brunswick, Vic., iron-founders (*assignee of* Robert Gibson, *act. inv.*, managing director of aforesaid company),

"An improved door for cooking and heating stoves and ranges. 24th Jan., 1908.

10,573. The Austral Canning Company Proprietary Limited, 10 and 12 Market-street, Melbourne, Vic., canners (*assignee of* James Webster, *act. inv.*, 10 and 12 Market-street, Melbourne, Vic., merchant),

"Improvement in tin canisters having lids removably secured by tearing strips." 28th Jan., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8274. Menzel, B. & A. G.
8275. Gayner, Kate F.
8279. Sharpe, J.
8280. Sharpe, J.
8283. Lipscombe, A. J.
8284. Mather, A.
8285. Horne, L. E.
8288. Preston, De M.
8289. Manton, H. L.
8290. Warner, T., & Kannuluik, J.
8292. Leek, G.
8296. Edwards, W.
8297. Edwards, W.
8298. Lewis, H. A.
8299. Lauder, R.
8304. Nicholson, J.
8307. Bond, C. A. F.
8308. Bolger, E. M.
8310. Cavalier, L.
8312. Green, H. E. F.
8313. Chodowski, A. T.
8322. Wilkenning, H.
8324. Cusworth, W. T.
8325. Doyle, T. N.
8327. Brown, T., & Grieve, R.
8328. Greville, S. J. R.
8329. Benn, B. W.
8330. Benn, B. W.

Assignments Registered.

1905.

2552. "Improved method of packing rabbits hares and the like and crate therefor.

Assignment of the full undivided one-half part or share *by* William McMeekin *to*

Henry Guy Nevill and Joseph Moore. Dated 14th Oct., 1907. Registered 22nd Jan., 1908.

4662. "Improvements relating to the treatment of flour and grain and apparatus therefor."

Assignment of the whole *by* Edwin Phillips and the Nordyke and Marmon Company *to*

The Flour Oxidizing Company Limited. Dated 20th Aug., 1907. Registered 18th Jan., 1908.

1906.

5240. "Improvements in the art of catalysis and apparatus therefor."

Assignment of the whole *by* Edwin Phillips and the Nordyke and Marmon Company *to*

The Flour Oxidizing Company Limited. Dated 20th Aug., 1907. Registered 18th Jan., 1908.

5703. "Improvements in apparatus for operating stamper batteries, drop hammers, and the like."

Assignment of the whole *by* Edgar Hogan Taylor *to*

Robert Taylor. Dated 25th June, 1906. Registered 17th Jan., 1908.

6568. "An improved method of and means for casting sash-weights."

Assignment so far as the States of Victoria, South Australia, Western Australia, and Tasmania are concerned *by* Walter Charles Turpel *to*

George Taylor Muir, Thomas McLeod Muir, and James Henry Muir. Dated 20th Feb., 1907. Registered 28th Jan., 1908.

7293. "An improved dentist's framework for obtaining correct articulation of artificial dentures."

Assignment of one-half of the whole *by* Albert Victor Dear *to*

David Philip Dear. Dated 25th July, 1907. Registered 22nd Jan., 1908.

1907.

8323. "Improvements in electrical apparatus for automatically indicating the positions of trains on railways."

Assignment of the whole *by* Bertha Trautmann, *née* Sprie *to*

August Cohrs. Dated 27th Nov., 1907. Registered 25th Jan., 1908.

Licence Registered.

1906.

6075. "Improvements in and connected with means for separating dirt and the like from the refuse or waste of cotton cleaning machines and from other materials."

Licence to use and exercise the invention in the Commonwealth of Australia but not elsewhere *by* William Youlten *to*

Youla Wools (Australia) Limited. Dated 29th May, 1906. Registered 23rd Jan., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8029. Aldenhoven, H.
8030. Terrill, S. (Terrill and Napier)
8261. Joyce, J.
8277. Ellis, J.
9183. White, R.
9214. The Linotype Co. Ld. (Holliwell & Elliott)
9221. The Linotype Co. Ld.
9406. Newton, H. C., & Michell, A. G. M.
9518. Coward, W. M.
9528. The Monoman Typesetter Co. (Brand)
9640. Smith, R. B.
9694. Morton, W. J. L.
9711. Scott Electrical Co. (Scott)
9739. Seemann, H. I.
9746. Classen, A.
9747. Classen, A.
9748. Classen, A.
9823. Ravelli, A.
9825. Aylmer, P. G.
9858. Rogers, L. H., & Myers, A.
9917. Gen. Electric Co. (Hewlett)
9938. Broughton, D. McD., & Van Lennep, C. C. O.
9940. Westfelt, A. U.
9947. Knight, S. H., & Lightband, C. V.
9948. Cowper-Coles, S. O.
9966. The Aetna Self-Heating Food Co. (Friedman & Carlisle)
10,070. Langer, Emily
10,084. Bedford, A.
10,105. Marino, P.
10,261. Naamlooze Vennootschap tot exploitatie der verf Heusiet (den Ouden)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.7 Thermorphor packages; canisters with quicklime jacket and water recess. (24.5; 89.7) Friedman 9966

Group 01.—Acoustics.

01.8 Music turner; single trigger releases successive spring arms ... Aylmer C.a.P. 9825

Complete Specifications Accepted—*continued.*

Group 03.—Electric Railways and Power.

03.1	Strain insulators for air lines; forms reducing external creepage ...	Hewlett	9917

Group 06.—Electric Lamps.

06.2	Multiple flame lamps with single regulating field; coupled clutches.	Scott	9711

Group 07.—Electrolysis and Batteries.

07.6	Lustrous zinc deposits in bath with liquorice and formic acid, &c. (Section 85; *see* 5409/*06*)	Classen	9746
07.6	Dark blue lustrous nickel deposits in liquorice bath with weak current, &c. (Section 85; *see* 5409/*06*)	Classen	9747
07.6	Dark lustrous nickel coating on weapons, &c.; sudden drop of tension in liquorice bath. (Section 85; *see* 5409/*06*)	Classen	9748
07.6	Deposition of iron on revolving cathodes; circulating leach liquor; *see* G.B. 28,897/*06*. (14.1)	Cowper-Coles	9948

Group 09.—Organic Chemistry.

09.2	Non-inflammable celluloid; treatment with C Cl, formalin, &c.; staining with mineral salts. (47.7; 88.4)	Marino	10,105

Group 11.—Mech. and Elec. Separation.

11.9	Horizontal rotary puddler; alluvial plant. (12.1)	Aldenhoven CaP.	8029

Group 12.—Hyd. and Pneu. Separation.

12.1	Horizontal rotary puddler; alluvial plant. (11.9)	Aldenhoven CaP.	8029

Group 13.—Amalgamation.

13.4	Lock-up shaking submersive amalgamator; U-trap discharge. (13.5)	Seemann	9739
13.5	Lock-up shaking submersive amalgamator; U-trap discharge. (13.4)	Seemann	9739

Group 14.—Leaching Metallurgy.

14.1	Deposition of metal by electro-leaching iron ores; *see* G.B. 28,897/*06*. (07.6)	Cowper-Coles	9948

Group 24.—Domestic Heating; Cooking.

24.5	Thermorphor packages; canisters with quicklime jacket and water recess. (00.7; 89.7)	Friedman	9966

Group 25.—Washing; Cleaning; Brushes.

25.2	Washing grid; polygonal roller bars, fluted roller, squeegee and brush	Langer	10,070

Group 30.—Ploughing.

30.3	Plate frames as 3968/*05*; spring seat pillar; steering, lifting, and adjusting gear, &c. (30.5; 30.7; 30.9)	Smith	C.a.P. 9640
30.5	Plate racket for foot and coulter; other details. (30.3; 30.7; 30.9)	Smith	C.a.P. 9640
30.7	Composite disc; sleeve axles; vertical and transverse springs, &c. (30.3; 30.5; 30.9)	Smith	C.a.P. 9640
30.9	Spring levers; simultaneous adjustment of tension; *see* 3968/*05*. (30.3; 30.5; 30.7)	Smith	C.a.P. 9640

Group 32.—Harvesting.

32.1	Knife thimble for fruit gathering; 8 forms. (32.7)	Bedford	10,084
32.7	Knife thimble for fruit gathering; 8 forms. (32.1)	Bedford	10,084

Complete Specifications Accepted—*continued.*

Group 39.—Harness; Animal Power.

39.5 Cattle rug; collar piece and covered breeching cords to prevent chafing Ellis C.a.P. 8277

Group 41.—Weaving.

41.2 Wire skein winder; double extensible arms. (42.1; 58.4) ... Morton C.a.P. 9694

Group 42.—Sewing.

42.1 Wire skein winder; double extensible arms. (41.2; 58.4) ... Morton C.a.P. 9694

Group 44.—Boots and Shoes; Umbrellas.

44.3 Perforated insoles; turned-up ventilation tube Terrill C.a.P. 8030

Group 47.—Leather and Plastics.

47.2 Cellular-surfaced leather from tanned stomachs of animals ... Knight 9947

47.7 Non-inflammable celluloid; treatment with C Cl, formalin, &c.; staining with mineral salts. (09.2; 88.4) Marino 10,105

Group 50.—Typographic Printing.

50.5 Overhanging two-line initials; casting and repeat devices. (Section 7, *see* Vic. 18,158/01) Holliwell 9214

50.5 Multiple magazines; changing gear; distribution of warded matrices; escapement locks. Coupled adjustments for length of slug. (Section 7, *see* N.S.W. 10,719/01) Lock 9221

50.5 "Monoman" machine; keyboard sets chain controller; bar matrix selected by controller; single type casting; justifying *as* G.B. 2344/91; low spaces, &c. (56.2) Brand 9528

Group 55.—Money.

55.2 Coin counting grids; guiding and distributing details Westfelt 9940

Group 56.—Counting, Measuring, Weighing.

56.2 Counter-gear for translating and checking cipher messages by numerical totals, &c. (99.6) Newton C.a.P. 9406

56.2 Type justification by quotient and remainder, *as* G.B. 2344/91. (50.5) Brand 9528

Group 58.—Chains, Ropes, Wire.

58.4 Wire skein winder; double extensible arms. (41.2; 42.1) ... Morton C.a.P. 9694

Group 62.—Power Storage.

62.8 Internal strap clutch; spring expanded, sleeve cam release ... Broughton 9938

Group 64.—Cranked Engines.

64.5 Rotary cylindrical valves with adjustable cut-off and reversing sleeves Coward 9518

Group 79.—Paints, Adhesives, &c.

79.3 Anti-fouling paint; tar, lime, arsenic, borax, &c. (91.2) ... den Ouden 10,261

Group 82.—Harbours, Foundations.

82.4 Sloping spring-hinged platforms are depressed by waves and operate pumps, &c. Ravelli 9823

Complete Specifications Accepted—continued.

Group 87.—Medicine.

87.1 Eczema ointment: petroleum, tar, soda, sulphur, &c. White 9183

Group 88.—Salvage, Accidents.

88.4 Non-inflammable celluloid: treatment with C Cl. formalin, &c.: staining with mineral salts. (09.2: 47.7) Marino 10,005

Group 89.—War.

89.7 Thermogene packages containing self-igniting jacket and water recess. (00.7: 24.5) Friedman 9966

Group 91.—Ship Building.

91.2 Anti-fouling paint: tar, lime, arsenic, borax, &c. (79.3) Thaler 10,261

Group 93.—Road Vehicles.

93.3 Hub-bolt wheel-lock combined with lever rim-brake C. & P. 8261

Group 97.—Wheels.

97.87 Cream of casein, with earthy limestone powder and water ... Rogers 9858

Group 99.—Signalling.

99.6 Counter-gear for translating and checking other messages by numerical totals, &c. (56.2) Newton C. & P. 9406

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10.622. Charles MARTIN, Eltham, Taranaki, N.Z., land and commission agent,

Application under Sec. 121.

[Date applied for 31st Jan., 1907, being date of application in N.Z., No. 22,370/07.]

"Improvements in sliding the seat or seats of dog-carts, gigs, and other like wheeled vehicles."

10.699. Richard CRAMP, 53 Dee-street, Brunswick-road, Poplar, London, Eng., marine engineer,

Application under Sec. 121.

[Date applied for 1st Feb., 1907, being date of application in Great Britain, No. 2560/07.]

"Improvements in or relating to turbines."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6247. F. E. Penfold. *Hand Sweeper.* Class 86.5.
6806. R. B. Morrow. *Stripper harvesters.* Class 32.3.
6820. N. W. Frogley. *Window-sashes.* Classes 78.7; 81.5; 81.6.
6925. G. H. Dunlop. *Excavating and hauling.* Classes 84.3; 95.5.
7057. Neophone Ltd. (Michaelis and Packman). *Recording sound.* Class 01.7.
7095. E. T. W. Dennis. *Christmas cards.* Classes 01.2; 49.3; 53.9.
7106. R. Goudie. *Harvester combs.* Class 32.3.
7232. S. D. Ritchie. *Discharging hopper.* Classes 84.2; 96.1.
7293. A. V. Dear. *Dentist's framework.* Class 87.7.
7337. Wilkins and Nobbs. *Furnace bridge plates.* Class 16.8.
7558. A. J. Edwards. *Controlling trolley poles.* Class 03.4.

1907.

7708. C. E. C. Landsperg. *Preserving eggs.* Classes 35.9; 79.3.
7815. N. J. Hansen. *Axes.* Class 80.3.
7879. J. Harris and Others. *Acetylene blow pipes.* Class 23.1.
7943. F. Krüger. *Half tone blocks.* Class 52.8.
8031. Emily Langer. *Charts for garments.* Class 43.1.
8057. Société Anonyme Westinghouse and M. Leblanc. *Jet or surface condensers.* Classes 63.8; 69.1.
8101. I. P. B. Knudsen. *Centrifugal machines.* Classes 36.6; 60.4.
8159. R. Hoe (Read). *Printing machines.* Classes 48.3; 50.8.
8189. H. B. & R. A. E. Taylor. *Stripper harvesters.* Classes 32.2; 32.3; 32.6.
8194. G. Harker. *Extinguishing fire.* Classes 17.4; 38.9; 88.2.
8198. G. H. Robertson. *Railway coupling.* Class 96.3.
8199. J. O'Dowd. *Roof gutters.* Class 81.4.
8211. M. Barabasz. *Detachable buckles.* Classes 43.9; 87.3.
8217. Linotype and Machinery Ltd. (Parker). *Printing machines.* Classes 50.8; 51.3; 61.5.
8221. C. F. Cox. *Hollow glassware.* Class 19.6.
8229. G. S. Fouts. *Cable chain grip.* Classes 59.4; 92.6; 95.9.

Printed Specifications Published—*continued.*

1907.

8230 Ingersoll-Rand Co. (Gibson). *Pneumatic channellers.* Classes 62.8; 85.7; 95.5; 95.9.
8263. W. Gordon. *Hand-trucks.* Class 93.1.
8270. W. M. Hodgson. *Safety clutches.* Class 59.2.
8281. W. H. and G. R. Edmonds. *Cutting bootlaces.* Classes 44.5; 47.3.
8293. J. J. F. M. Smulders. *Coal lighters.* Classes 59.9; 91.8.
8294. J. J. F. M. Smulders. *Coal conveyors.* Classes 59.5; 91.8.
8320. E. N. Waters (Pintsch). *Ventilating railway carriages.* Classes 62.1; 90.9; 96.8.
8345. E. Goltstein. *Opening botttle stoppers.* Class 57.5.
8346. E. Goltstein. *Bottle capsule.* Class 57.5.
8360. Scott and Richard. *Rolling dough.* Classes 10.8; 34.6.
8361. G. D. Ross. *Motor vehicle wheel.* Classes 93.5; 97.81; 97.83.
8362. J. H. Miess. *Vapour burning apparatus.* Classes 23.3; 23.5.
8372. G. G. Turri (Igou). *Wrapping confections, &c.* Classes 34.8; 48.3; 57.4.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
1907.		*21st January, 1908.*			
8257	18 Mar.	B. J. Goldsworthy ...	Vic.	Hand whip and windlass ...	529
8323	26 Mar.	Bertha Trautmann, *nee* Sprie	Germany	Train, &c., indicator ...	172
8334	27 Mar.	Griffiths Bros. Pty. Ltd. (Hunt)	Vic.	Picnic hamper	390
8373	3 Apr.	F. Gallsworthy	Eng.	Driving-belts, &c. ...	175
8377	3 Apr.	R. Sylvester	Canada	Agricultural machines ...	175
8380	3 Apr.	W. Dunz	Eng.	Jointless flooring ...	175
8382	4 Apr.	J. T. Andrew	U.S.A.	Safety appliances for cars, &c.	190
8385	4 Apr.	G. G. Turri (Sutherland) ...	Vic.	Rifle sights	190
8398	4 Apr.	E. P. Allen	U.S.A.	Valves	191
8399	4 Apr.	E. P. Allen	U.S.A.	Air valves for heating ...	191
8400	4 Apr.	S. Lake...	Germany	Dredging vessel	191
8458	11 Apr.	N. Dowie	S.A.	Boot	356
8499	17 Apr.	T. Robinson & Son Ltd. (Robinson & Backhouse)	Eng.	Dust separation	208
8561	25 Apr.	C. Remelius	U.S.A.	Removing, &c., gears from shafts	234
8562	25 Apr.	L. Levy	U.S.A.	Envelopes	234

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*22nd January, 1908.*			
8390	4 Apr.	Ingersoll-Rand Co. (Gibson)	U.S.A.	Electro-pneumatic track channellers	190
8543	24 Apr.	W. & E. Hudson & F. James	Eng.	Loose leaf binders ...	220
8559	24 Apr.	F. Klousnitzer	U.S.A.	Envelopes	221
8564	25 Apr.	Auto-Strop Co. (Gaisman) ...	U.S.A.	Razors	234
8577	25 Apr.	Mary Anderson	Vic.	Garments for cripples, &c....	253
8584	26 Apr.	T. Poljakoff-Kowtunoff ...	Russia	Excavating, &c., earth ...	235
8588	27 Apr.	E. Temple	W.A.	Game of amusement ...	235
8610	30 Apr.	A. L. Dean	Tas.	Treatment of ores ...	236
8614	1 May	F. S. Nickells	Eng.	Air pumps	237
8624	1 May	W. J. Parker	Vic.	Corsets, &c.	237
8650	6 May	G. F. Jaubert	France	Decomposition of chlorates, &c.	251

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1902.

12,089. "Improvements in window sashes and frames."

Assignment of the whole *by* Joseph Moss *to*

Arthur Henry YABSLEY. Dated 10th Jan., 1908. Registered 22nd Jan., 1908.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
17,937 ...	Pupin, M. I.	... 19th Feb., 1915

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fee Paid.

1904.

No.	Name.	Paid up to –
7046 ...	Skinner, J. R. ...	... 22nd Jan., 1912

Assignments Registered.

1901.

6045. "Improvements in automatic fire alarms."

Assignment of the whole *by* Charles Edward Graham *to*

Edward Waters, junior. Dated 8th Jan., 1908. Registered 23rd Jan., 1908.

1902.

6979. "Process for extracting zinc and other sulphides from their ores."

Assignment of the Letters Patent and the sole and exclusive right thereto and benefit thereof *by* Alexander Anderson *to*

Potter's Sulphide Ore Treatment Limited. Dated 27th Nov., 1907. Registered 22nd Jan., 1908.

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/NR.; or as the case may be.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
6891/5125 ...	Linotype Co. Ld. ...	7th Jan., 1915
6971/5183 ...	Pupin, M. I. ...	1st Mar., 1915

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3275	Linotype Co. Ld.	16th Jan., 1915
3317	Pupin, M. I.	26th Feb., 1915
3580	Wilfley Ore Concentrator Synd. Ld.	11th Mar., 1915

Assignment Registered.

1902.

4145. "Improved method or process of extracting zinc and other sulphides from their ores."

Assignment of the Letters Patent and the sole and exclusive right thereto and the benefit thereof *by* Richard SPARROW *to*

POTTER'S SULPHIDE ORE TREATMENT LIMITED. Dated 14th Nov., 1907. Registered 22nd Jan., 1908.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
2959	Linotype Co. Ld.	8th Jan., 1915
2990	Pupin, M. I.	20th Feb., 1915
3039	Ganelin, S.	22nd Apr., 1915
3315	Wilfley Ore Concentrator Synd. Ld.	11th Mar., 1915

Assignment Registered.

1902.

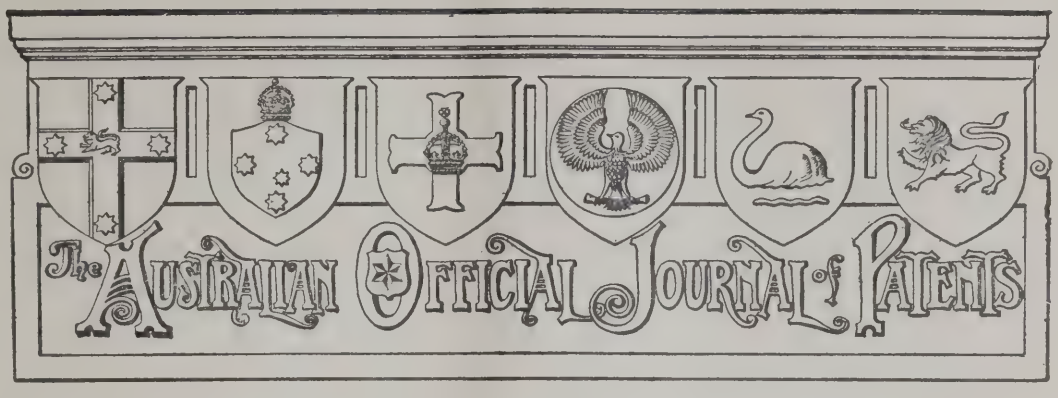
3589. "An improved process for and method of extracting zinc and other sulphides from their ores."

Assignment of the Letters Patent and the sole and exclusive right thereto and the benefit thereof *by* Vivian L. BUTLER *to*

POTTER'S SULPHIDE ORE TREATMENT LIMITED. Dated 8th Nov., 1907. Registered 22nd Jan., 1908.

GEORGE TOWNSEND,
Commissioner of Patents.

Printed and Published for the DEPARTMENT of PATENTS, COMMONWEALTH of AUSTRALIA, by J. KEMP, Acting Government Printer for the State of Victoria.



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Date *190*.....

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For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 8.] 1908. [No. 5.
(WITH SUPPLEMENT.)
Tuesday, 11th February.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

Australian Official Journal of Patents.



Notices.
Applications Received, 10,734 to 10,784.
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States Proceedings.

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NOTICE IS HEREBY GIVEN that the beneficial owner is prepared to satisfy all reasonable requirements of the public with respect to his Australian patent **No. 3863**, dated 15th August, 1905, for—

"Improvements in glass-shaping machines." (WILLIAM EMIL BOCK.)

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NOTICE IS HEREBY GIVEN that the beneficial owners are prepared to satisfy all reasonable requirements of the public with respect to their Australian patents as follows:—

No. 2793, dated 22nd March, 1905, for—"Improvements in method of recovering values from ores by dissolving in molten baths." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 2794, dated 22nd March, 1905, for—"Improvements in method of smelting ores and cleaning converter slags." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 3250, dated 24th May, 1905, for—"Method of converting copper mattes." (CHARLES MAURICE ALLEN.)

No. 3251, dated 24th May, 1905, for—"Method of smelting ores and separating mattes." (RALPH BAGGALEY, CHARLES MAURICE ALLEN, and EDWARD WILLIAM LINDQUIST.)

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The Australian Official Journal of Patents

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VOL. 8.] 11TH FEBRUARY, 1908. [No. 5.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICE.

Qualifying Examination for Patent Attorneys.

It is hereby notified that the February Examination of Candidates for registration as Patent Attorneys will be held on 27th and 28th February, 1908, the Time Table for the Examination being as follows:—

Day.	Hour.	Subject.
Thursday, 27th February, 1908	10 a.m.	Patent and Trade Marks Law of the Commonwealth, and the Practice of the Patent Office.
	2 p.m.	The preparation of a Provisional and Complete Specification to be attached to an Application for any kind of invention named by the Board.
Friday, 28th February, 1908	10 a.m.	Patent and Trade Marks Case Law.
	2 p.m.	The Patent and Trade Marks Law and Practice of England and other countries.

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

C.1228.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 30th January to 5th February, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 30th January.

10,734. *Prov.* George John WHITTAKER, Coraki, Richmond River, N.S.W., farmer,

"An improved self-adjusting door stop."

10,735. *Prov.* GIBSON BATTLE & COY. LIMITED, 7 Bent-street, Sydney, N.S.W., merchants (*assignee of* James Wood BRAGG, *act. inv.*, 7 Bent-street, Sydney, N.S.W., director),

"Improvements in automatic dumping bale and box elevators."

10,736. *Prov.* Arthur Wilford STONE, FREDERICK STONE, and Robert CUMMING, trading as Stone Bros. & Co., Boston-place, off Church-street, North Fitzroy, Vic., boot manufacturers,

"An improved process of treating leather."

10,737. *Prov.* Herman AUGUST, Invercargill, N.Z., furniture manufacturer,

"Improvements in woolpacks."

Friday, 31st January.

10,738. *Prov.* Frank TONKS, trading as Frank Tonks and Co., 49 Webb-street, Wellington, N.Z., brickmaker,

"Improvements in and relating to chimneys."

10,739. *Comp.* Chester Moses PALMER, Montgomery, Kane, Ill., U.S.A., mechanic,

"Shearing machines for shearing or clipping the wool of animals."

10,740. *Comp.* Anthony James CALLINAN, The Rialto, 493-5 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* BENJAMIN ELECTRIC MANUFACTURING COMPANY, 141 South Clinton-street, Chicago, Cook, Ill., U.S.A., manufacturers (Reuben B. BENJAMIN, *act. inv.*),

"Improvements in lamp clusters."

10,741. *Prov.* Francis Walter BASSETT, Mowbray-road, Willoughby, North Sydney, N.S.W., engineer, and Henry CRANDON, Pembrook-street, Epping, N.S.W., ironmonger,

"Simplex double cylinder ice cream machine."

10,742. *Prov.* Joseph PORTER, St. George, Qld., well-boring contractor,

"Improvements in earth and rock drilling apparatus."

10,743. *Prov.* Frank Vivian RYLATT, Boys' Grammar School, Gregory-terrace, Brisbane, Qld., electrician,

"Improvements in military signalling lamps."

10,744. *Comp.* Reginald Aubrey FESSENDEN, Brant Rock, Mass., U.S.A., engineer,

"Improvements in signalling by electromagnetic waves."

10,745. *Comp.* Reginald Aubrey FESSENDEN, Brant Rock, Mass., U.S.A., engineer,

"Improved method of producing high frequency electrical oscillations and apparatus therefor."

10,746. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Arthur Ernest JERRAM, and Joseph GOULDBOURN, *act. invs.*, engineers, both of Union Works, Belgrave-road, Leicester, Eng.),

"Improvements in or relating to punching and eyeleting machines."

Applications received, 30th January to 5th February—*continued.*

10,747. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Arthur Bates, *act. inv.*, Union Works, Belgrave-road, Leicester, Eng., engineer),

"Improvements in or relating to machines for use in the manufacture of boots and shoes."

10,748. *Comp.* Alva Leeman Reynolds and George Albert Reynolds, both of Huntington Beach, Orange, Cal., U.S.A., mechanics,

Application under Sec. 121.

[Date applied for 18th March, 1907, being date of application in U.S.A.]

"Wave power apparatus."

10,749. *Comp.* Jacob Edwin Doggwyler, 2310 Warren-avenue, Seattle, Washington, U.S.A., miner,

"Improvements in apparatus for separating precious metals from earth or gangue."

10,750. *Comp.* Manufacturers' Machine Company, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* William Cullen Stewart, *act. inv.*, Lynn, Mass., U.S.A.),

"Improvements in or relating to boot and shoe machines."

10,751. *Prov.* Arthur George Lloyd, "Woodcote," Cochrane-street, Elsternwick, Vic., engineer,

"Improvements in or relating to coin operated machines for automatically delivering stamps or other articles."

Saturday, 1st February.

10,752. *Comp.* John Edwin Davidson, *act. inv.*, Toronto, Ontario, Canada, manufacturer, and Walter Finch Page, *assignee*, Victoria, Brit. Columbia, Canada, manufacturer,

"Improvements in heels."

10,753. *Comp.* John Edwin Davidson, *act. inv.*, Toronto, Ontario, Canada, manufacturer, and Walter Finch Page, *assignee*, Victoria, Brit. Columbia, Canada, manufacturer,

"Improvments in wooden soles."

10,754. *Comp.* William Robert Halliday, Gidley, *viâ* Tamworth, N.S.W., farmer,

"Improvements in horse collars."

10,755. *Prov.* Philip Francis Acott, Kline-street, Ballarat East, Vic., boilermaker,

"A side elevating street sweeper and automatic loader."

10,756. *Comp.* Edward Waters, jun., 414-418 Collins-street, Melbourne, Vic., patent attorney (George Henry Oatway, *act. inv.*, 116 Fenchurch-street, London, E.C., Eng., manufacturer's agent),

Application under Sec. 7.

(N.S.W., 11,077; Vic., 18,199; Qld., 6045; S.A., 7101/5314; W.A., 3428; Tas., 3081.)

"Improvements in automatic fire alarms."

10,757. *Comp.* The New Transvaal Chemical Company Limited, *assignees*, Barsdorff Buildings, Marshall-street, Johannesburg, Transvaal, S. Af., manufacturers, and Paul Destefani, *act. inv.*, 181 President-street, Johannesburg, Transvaal, S. Af., mechanical engineer,

"Improvements in and relating to means or devices for burning paraffin wax or the like, for illuminating or other purposes."

Monday, 3rd February.

10,758. *Comp.* John Ramsay, 9 Wylde-street, Potts' Point, Sydney, N.S.W., parliamentary shorthand reporter,

"Improved internal cushion for boots and shoes."

10,759. *Prov.* Hilary Quertier, Wood's Hotel, Dunedin, Otago, N.Z., engineer,

"Improvements in the mechanism of track cleaners."

10,760. *Prov.* Henry William John Holmes, "Bygalore" Station, West Wyalong, N.S.W., blacksmith and wheelwright,

"An improved fumigator."

10,761. *Prov.* Alfred Henry, 117 Pitt-street, Sydney N.S.W., journalist,

"Improvements in apparatus for cutting and topping sugar cane."

10,762. *Prov.* Carl Gustav August Herbst, 40 Ross-street, Toorak, Vic., cabinetmaker,

"An improved extension dining table."

10,763. *Comp.* Joseph Lindsay Schmidt, "Lisava," New South Head-road, Rushcutter Bay, Sydney, N.S.W., chemical engineer,

"Apparatus for generating, washing, cooling & storing acetylene."

Applications received, 30th January to 5th February—*continued.*

10,764. *Prov.* William James Nott, Franklin-terrace, Croydon, S.A., mechanic,

"An improved door stop and retaining device."

10,765. *Prov.* Henry James Wallace, The Associated Gold Mines, Kalgoorlie, W.A., foreman fitter,

"A filtering apparatus for the treatment of metalliferous slimes and the like."

10,766. *Comp.* Charles Searle, Shell Harbour, N.S.W., agent,

"A new and improved parlour game."

10,767. *Comp.* John Hobbs Beamish, Marine-parade, Ponsonby, Auckland, N.Z., architect and builder,

"An improved method of roofing."

10,768. *Comp.* Ernest Henry Moore, *act. inv.*, sailmaker, and John Fisher Cripps, *assignee*, hotel-keeper, both of Royal Hotel, Tamworth, N.S.W.,

"Improved mode of and appliances for securing clothing rugs upon horses and other animals."

10,769. *Prov.* Joseph Lomas, Southbridge, Tas., orchardist,

"An improved apparatus for grading apples and such like fruit."

Tuesday, 4th February.

10,770. *Prov.* James McGregor, Heywood, Vic., travelling agent,

"Double roller ventilating window blind."

10,771. *Prov.* Albert Kilborn, "Bondi," New-street, Middle Brighton, Vic., engineer,

"Improved portable and detachable means for causing intermittent suction in pneumatic milking machines."

10,772. *Comp.* Frank Shuman, 3400 Disston-street, Tacony, Philadelphia, Penn., U.S.A., mechanical engineer,

"Improvements in utilizing solar heat and in apparatus to be used therefor."

10,773. *Prov.* Herbert Akroyd Stuart, Akroyd Buildings, Melbourne-road, Perth, W.A., engineer,

"Improvements in cans or other receptacles or equivalents to convey milk, cream, and the like."

10,774. *Comp.* Adolf Müller, 3 Bismarckstrasse, Wetzlar on the Lahn, Germany, works manager,

Application under Sec. 121.

[Date applied for 9th Feb., 1907, being date of application in Great Britain, No. 3294/07.]

"Process of obtaining cement from highly basic blast furnace slag."

10,775. *Prov.* Thomas Warner, *act. inv.*, 381 Post Office-place, joiner, John Kannuluik, *act. inv.*, 308-310 Queen-street, cabinetmaker, and Charles Edwin Paget, *assignee*, The Union Club Hotel, Collins-street, licensed victualler, all of Melbourne, Vic.,

"Improvements for automatically drawing off fumes or gases from water, earth or pan closets and urinals while in use."

10,776. *Prov.* Roger William Wallace, 2 Harcourt Buildings, Temple, London, Eng., barrister, and Georges Reynaud, 5 Rue Salneuve, Paris, France, engineer,

"Industrial utilisation of plants included in the genus Xanthorrhoea."

10,777. *Prov.* Roger William Wallace, 2 Harcourt Buildings, Temple, London, Eng., barrister, and Georges Reynaud, 5 Rue Salneuve, Paris, France, engineer,

"Process for the manufacture of elastic or plastic products similar to caoutchouc, gutta percha or other mastic."

10,778. *Prov.* Roger William Wallace, 2 Harcourt Buildings, Temple, London, Eng., barrister, and Georges Reynaud, 5 Rue Salneuve, Paris, France, engineer,

"Process for the treatment of barks and lamellae of the Xanthorrhoeas and other similar plants."

10,779. *Comp.* Wilhelm Alexander Felix Bleeck, electrician, care of Isles Love & Co., 284 and 286 Queen-street, Brisbane, Qld.,

"Improvements in primary batteries."

10,780. *Prov.* Jakob Hölle, 14 Norman-street, near Riley-street, Sydney, N.S.W., engineer,

"Lightning steam washing machine for household purposes."

Applications received, 30th January to 5th February—*continued.*

Wednesday, 5th February.

10,781. *Prov.* John Wilson, Seville, Vic., blacksmith,

"Improvements in lifting and lowering mechanism."

10,782. *Comp.* Frederick William Hayes, Albury, N.S.W., miller,

"Adjustable pneumatic sole for boots and shoes."

10,783. *Prov.* Edgar Lawry Short, Ettiwanda-avenue, Mildura, Vic., fruit-grower,

"An improved urinal."

10,784. *Comp.* Victor Charles John Nightingall, 430 Bourke-street, Melbourne, Vic., electrical engineer,

"Improved apparatus for lighting and extinguishing street and other gas lights from a distance."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

8367. Bennett, T. C., & Shaw, R. R.

9656. Waring, J. W.
Spring washer and axle box for buggies carts and other light vehicles.

10,002. Grimani-Smith, H. W.
Hose-holder.

10,094. Chapman, J.

10,166. Macartney, W. J., Buck, R., & Bould, E. E.
Non-slip prop end for clothes lines.

10,215. Rutter, G. F.

10,454. Keene, J. F., and Graham, W. D.

10,463. Saunders, W.

10,526. Rogers, A. W.

10,529. Keogh, E. J. (Corbett)

10,573. Austral Canning Co. Pty. Ld. (Webster)

10,576. Brazier, J., & Daglish, T.

10,578. Newman, W. F., Molden, J. W., & Sewell, A. B.

10,580. Mull, W. H.

1908.

10,582. Thurlow, J.

10,585. Un. Shoe Mach. Co. (Barclay & Bates)

10,588. Un. Shoe Mach. Co. (Cavanagh)

10,589. Grinter, J.

10,592. Cox, W. H.

10,594. Burgess, C. S. (Keller)

10,597. McKay, A.

10,598. Besly, F. C., & Geake, W. H. G.

10,601. Alley, F. L.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8355. Arthur James Billows, "Waikaremoana," Coorparoo, Brisbane, Qld., manufacturing chemist,

"Means for withdrawing gas from cylinders under considerable pressure." 31st Jan., 1908.

8368. John Froggatt, 40 St. Johns-avenue, Camberwell, Vic., fitter, and Charles Stacey, Cressy-street, Malvern, Vic., accountant,

"Improved coupling applicable to railway and other purposes." 3rd Feb., 1908.

8396. Edmund Wilson Greenwood, 56 Francis-street, Melbourne, Vic., rug manufacturer,

"Improvements in or connected with horse and cattle rugs." 4th Feb., 1908.

8605. Charles Edward Pickard, Jackson-street, Northcote South, Vic., engineer,

"Improvements in door, gate and the like fittings." 30th Jan., 1908.

8630. James Ernest Tatham, *act. inv.*, 2 Hunter-street, Sydney, N.S.W., gas engineer, and Alexander Smith, *assignee*, 88 Beattie-street, Balmain, N.S.W., merchant,

"Improvements in gas light burners." 3rd Feb., 1908.

8634. John Whitlock, Munro-street, Coburg, Vic., blacksmith,

"An improved support for the fore arm of plows and like implements." 3rd Feb., 1908.

8668. Hugh Victor McKay, 668 Bourke-street, Melbourne, Vic., manufacturer, and James Barnicott Garde, 159 Sydney-road, Royal Park, Vic., agricultural implement maker (*communicatees of* Joseph M. Justen, *act. inv.*, 2513 Locust-street, Ohio, U.S.A.),

"An improved pipe wrench." 31st Jan., 1908.

8691. Ernest Ring, *act. inv.*, Timbrebongie, N.S.W., engine-driver, and William John Carroll, *assignee*, Waverley, N.S.W., clerk,

"Spark arrester." 11th Oct., 1907.

8701. Edgar Lawry Short, Ettiwanda-avenue, Mildura, Vic., fruit-grower,

"An improved compound pan and revolving bacterial filter applicable to closets and urinals." 5th Feb., 1908.

8785. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A. (*assignees of* Emery Bayard, *act. inv.*, Rochester, Monroe, New York, U.S.A., foreman),

"Improvements in or relating to method of and apparatus for use in mak ing shoes." 31st Jan., 1908.

9355. Reinhold Freygang, 25 Lessing Strasse, Hamburg, Germany, manufacturer,

"Improvements in apparatus for washing or extracting minerals." 3rd Feb., 1908.

10,330. Hugh Campbell, Eagle Tavern Hotel, City-road, South Melbourne, Vic., hotel proprietor,

"Improved extension ladder." 1st Feb., 1908.

10,342. Richard Jaques Fletcher, The Chemical Works, North Geelong, Vic., chemist,

"Means for destroying vegetable life and preventing the growth of vegetation." 30th Jan., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8336. Wigg. R. W.
8337. Bell, S. E.
8338. Goodfellow, G.
8339. Heugle, R.
8341. Hughes, Mary
8342. Nicholson, J.
8344. Crichton, A., Williams, W., & McGregor, G. A.
8348. Benjamin, P. I., & Hall, G. M.
8349. Zinn, W. H.
8350. Thurlow, E. W.
8351. Keogh, L. F.

Assignment Registered.

1907.

7700. "Auxiliary wheels and fittings for motor cars and the like."

Assignment of the whole *by* Thomas Morris Davies and Walter Davies *to*

The Stepney Spare Motor Wheel, Limited. Dated 16th Dec., 1907. Registered 25th Jan., 1908.

Applications Abandoned, Withdrawn, &c.

1906.

6793. *Comp.* (*Lapsed.*) Florence Moreau, "Coomerah," Coomerah-crescent, Darling Point, Sydney, N.S.W., householder,

"Divided economic frying pan."

6850. *Comp.* (*Lapsed.*) George Thorne, "Umberleigh," Turramurra, N.S.W., freeholder,

"Saccheureka live stock food."

6861. *Comp.* (*Lapsed.*) Edwin Fenton Robinson, draughtsman, and Marion Crossfield Robinson, "Boondah," Howard-street, Rosalie, Brisbane, Qld.,

"A cure for stammering and stuttering."

6865. *Comp.* (*Lapsed.*) Henry Albert Madsen, agent, and Ebenezer Herriot, mechanic, *act. invs.*, 65½ Hunter-street, Sydney, N.S.W., and William John Lyons, *assignee*, "Glenwood," Lytton-street, North Sydney, N.S.W.,

"Improvements in the mode and means of obtaining light from oil vapour lamps."

6914. *Comp.* (*Lapsed.*) John Henry Lant, and James Lant, Bodangora, *viâ* Wellington, N.S.W., miners,

"Miner's spring bracket folding candlestick."

6948. *Comp.* (*Lapsed.*) Ozonair Limited, 27 Chancery-lane, London, Eng., manufacturers (*assignee of* Edward Lionel Joseph, *act. inv.*, 27 Chancery-lane, London, Eng., electrical engineer),

"Improved apparatus for ozonizing atmospheric air."

6950. *Comp.* (*Lapsed.*) Barber's Interchanging Heel Company Limited, 38 Chancery-lane, London, W.C., Eng., manufacturers (*assignee of* William Barber, *act. inv.*, 92 Haggerston-road, Dalston, London, N.E., Eng., boot manufacturer),

"Improvements in means for securing tips, protectors, and the like, to the heels and soles of boots and shoes."

Applications Abandoned, Withdrawn, &c.—*continued.*

6984. *Comp.* (*Lapsed.*) Edward DOWNEY, "Mewstone," Yaralla-street, Newtown, N.S.W., commercial traveller,

"Downey's patent rabbit trap, for the capture and extermination of rabbits."

6996. *Comp.* (*Lapsed.*) Thomas HASLAM, *act. inv.*, Lombard Chambers, St. Georges-terrace, Perth, W.A., commission agent,

Application under Section 7.

(Vic. 18,074.)

"An improved portable automatic acetylene gas generator."

7023. *Comp.* (*Lapsed.*) Fredrick James HODGES, Carrington-road, Marrickville, N.S.W., kalsomine manufacturer,

"Cold water paint."

7052. *Comp.* (*Lapsed.*) Eduard PIELOCK, 31 Uhlandstrasse, Berlin, Germany, engineer,

"Improvements in or connected with tubular boilers or steam generators."

7053. *Comp.* (*Lapsed.*) Willy OPITZ, architect, and Adolf POSSEKEL, master carpenter, both of 5 Elisabethufer, Berlin, Germany,

"Improvements in windows."

7072. *Comp.* (*Refused.*) Edward Thompson Clifton FIRTH, Government Life Insurance Buildings, Queen-street, Auckland, N.Z., pumice manufacturer,

Application under Sec. 121.

[Date applied for 2nd Nov., 1905, being date of Application in N.Z., No. 20,276/05.]

"A process for mixing or combining ground pumice, pumice sand or other granulated material with soap for the manufacture of compressed pumice soap or other suitable granulated or fine ground material intermixed with soap."

7127. *Comp.* (*Lapsed.*) Herbert HILL, and Henry HILL, both of Bowen Bridge-road, Lutwyche, Brisbane, Qld., saddlers and harness makers,

"Improvement in gentlemen's riding saddles, and stock saddles."

7156. *Comp.* (*Lapsed.*) Donald HARRIS, Wyong, N.S.W., storekeeper,

"A lamp holder to be affixed to miners' caps."

7158. *C.a.P.* (*Lapsed.*) George COOLING, photographer, c/o Harringtons Limited, Telegraph Buildings, Queen-street, Brisbane, Qld.,

"Propellor for air ships."

7199. *Comp.* (*Lapsed.*) William (R) SMITH, "Tamerone," Coffs Harbor, N.S.W., farmer,

"Tamerone grass seed harvester."

7210. *Comp.* (*Lapsed.*) Harry Alfred TAYLOR, 146 Philip-street, Sydney, N.S.W., and Herbert Hepburn CALVERT, "St. Pancras," Eric-street, Leichhardt, N.S.W., contractors,

"Petrifyall (damp wall composition and stone liquid)."

7218. *C.a.P.* (*Lapsed*) Robert John ALLEN, York Hotel, Queen-street, Brisbane, Qld., hotel proprietor,

"Nozzle attached inside or outside to end of tap with a 3-16-inch hole in centre."

7222. *Comp.* (*Lapsed.*) Joseph Fielding HIGGINS, The Grange, Waverly-road, East Malvern, Vic., civil engineer,

"Improvements in mail bag and despatch box sealers."

1907.

10,436. *Comp.* (*Abandoned.*) Horace SANDERSON, and Henry St. John SANDERSON, *act. invs.*, engineers, both of Bolling-road, Ben Rhydding; Rupert John ISAACSON, *act. inv.*, 2 Grosvenor-road, Ilkley, engineer; Edwin WARDLE, Linton Springs, Wetherby, engineer; John Edwin FIRTH, 64 Cowper-street, Leeds, gentleman; and Charles Ernest CHARLESWORTH, Coningham Hall, Knaresborough, colliery proprietor, all in Yorkshire, Eng.,

Application under Section 121.

[Date applied for 31st July, 1907, being date of application in Great Britain, No. 17,533/07.]

"Improvements in valve gears for steam and other fluid pressure engines."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1906.

7291.*de Perini, V. A.

1907.

7913. Murphy, H. B.
7927. Lloyd, L. R., & Maginnis J. (Morris)
7971.*Beattie, S. T., & Chapman, W. J.
7976. Rolley, T.
8014. Thomson, E. D. M.
8068. Havenstrite, D. J.
8116. Greenwood, A. V.
8125. Cosgrove, P. D., & Conway, W. J.
8143. Whelan, T. J.
8169. de Bavay, A. J. F.
8225. Boundy, J., & Elson, R. F.
8287. Mellor, J. F. (Shearer)
8352. Madden, A. J.
8389. Un. Shoe Mach. Co. (Perry)
8488. Carrick, J. T., & Pattison, B. S.
8495. Duff, T.
8540.*Scougall, S. D.
8772. Finnell, A. L., & Schernikow, E.
9004. Crockford, A. H.
9028. Ingersoll-Rand Co. (Haeseler & Taylor)
9067. Chandler, C. N., & Dow, G.
9093. Mayrhofer, A.
9132. Rolfe, H. C. L'O.
9267. Staines, A., & Crees, J. S. D.
9290. Bleakley, W.
9305. Lindström, K. I.
9514. Pitner, Marion W.
9540.*Hibner, P. D., & Lorraine, J. S.
9771. Hartenstein, H. L.
9772. Hartenstein, H. L.
9774. Hartenstein, H. L.
9775. Hartenstein, H. L.
9796. Imbert, A. H.
9797. Imbert, A. H.
9798. Imbert, A. H.
9808. Reynolds, W. E., & Tomkies, A. G.
9820. Lawrence, W. H., & R. Kennedy (Feldmeier)
9907. Bakewell, W. (Winzer)
9919. von Zelewski, R.
9921. Lewis, A.
9968. Keating, B. F.
9969. Smith, W. T.
9972. Friestedt, A. A.
9982. Williams, J. J.
10,075. Granger, J.
10,101. Wood, E. J., & Carson, G.
10,102. Buss, J.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

7291. Victorio Antonio de Perini, Rodeio, Rio de Janeiro, Brazil, physician,

Application under Sec. 121.

[Date applied for 1st Nov., 1906, being date of application in N.Z., No. 21,999/06.]

"Improvements in the production of textile fibre and paper pulp."

7971. Samuel Thomas Beattie, 101 Devonshire-street, Sydney, N.S.W., tobacconist, and William John Chapman, 388 Riley-street, Sydney, N.S.W., bookmaker,

"Improved method of marking race competitors."

8540. Seaton Dun Scougall, New Farm, Brisbane, Qld., commercial representative,

"A compound or mixture for curing or preventing the disease known as redwater or tick fever in cattle."

9540. Philip Deforist Hibner, *act, inv.*, 312 Nob Hill-avenue, Seattle, King, Washington, U.S.A., box maker, and John Sewell Lorraine, *assignee*, 1104 East Madison-street, Seattle, King, Washington, U.S.A., merchant,

"An improvement in railway switches."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 01.—Acoustics.

01.7	Electric trigger; starting talking machines from a distance. (04.4)	Keating		9968

Group 04.—Electric Apparatus.

04.4	Electric trigger; starting talking machines from a distance. (01.7)	Keating		9968

Group 06.—Electric Lamps.

06.8	Enclosed arc-furnace for collecting fuel gas; adjustable rack-supports for electrodes	Hartenstein		9774
06.8	Elastic clamps for furnace carbons; tightening wedges, &c. ...	Hartenstein		9775

Group 08.—Mineral Chemistry.

08.2	Utilizing waste heat of CO from carbide furnaces, to pre-heat carbon, then burning the CO to calcine lime and mixing the materials while hot	Hartenstein		9771
08.2	Combination of plant for calcium carbide. (16.45; 17.3) ...	Hartenstein		9772
08.9	Sulphuric acid from chimney gas of pyritic smelters. (15.4; 15.5)	Carrick	C.a.P.	8488

Group 10.—Crushing and Grinding.

10.7	Drum grater for cocoa-nut rind; clearing brushes. (33.8; 34.1) ...	Granger	C.a.P.	10,075
10.8	Kneading briquette mixture with naphtha, in superheated steam. (20.2)	Buss		10,102

Group 12.—Hyd. and Pneu. Separation.

12.5	Treated ore-pulp flows down inclined shoot towards edge of overflowing vat; spreaders, &c.	de Bavay	C.a.P.	8169

Group 14.—Leaching Metallurgy.

14.4	Use of superheated steam in cyaniding vats having forced circulation. (14.7)	Smith		9969
14.7	Circulation in leaching vats; ejector using superheated steam in by-pass pipe, &c. (14.4)	Smith		9969

Group 15.—Metallurgy in Furnaces.

15.4	Using residues from sulphuric acid treatment of matte, for fluxing. (08.9; 15.5)	Carrick	C.a.P.	8488
15.5	Pyritic smelting of poor sulphide ores, with H_2S gas-fuel obtained by acid reaction on matte. (08.9; 15.4)	Carrick	C.a.P.	8488
15.5	Reduction of blende, &c., by iron, &c., in bath of iron oxides and sulphides; regeneration of bath materials	Imbert		9796
15.5	Application of 9796/07 to oxidized zinc ores, &c.	Imbert		9797
15.5	Reducing complex zinc ores, &c., with fluxes, &c., by contact with superheated molten iron, &c. (16.40; 16.6)	Imbert		9798

Complete Specifications Accepted—*continued.*

Group 16.—Furnaces.

16.2	Annular muffle furnace; spiral flues; traversing annular table for crates. (16.47; 19.6)	Winzer	9907
16.40	Double bath furnace and circulating paddle for continuous reduction by superheated molten iron. (15.5; 16.6)	Imbert	9798
16.45	Lime burner, with fixed combustion chamber for fuel gas; carbide plant. (08.2; 17.3)	Hartenstein	9772
16.47	Annular muffle furnace; spiral flues; traversing annular table for crates. (16.2; 19.6)	Winzer	9907
16.5	Reversible rabbles on independent concentric shafts; for two-stage roasting	von Zelewski	9919
16.6	Double bath furnace and circulating paddle for continuous reduction by superheated molten iron. (15.5; 16.40)	Imbert	9798
16.8	Water-filled fire bars for downward combustion and smoke consumption. (17.7; 63.4)	Chandler C.a.P.	9067

Group 17.—Chimneys, Fumes, Smoke.

17.3	Recuperative carbide plant; pre-heating materials with waste gas. (08.2; 16.45)	Hartenstein	9772
17.7	Water-filled fire bars for downward combustion and smoke consumption. (16.8; 63.4)	Chandler C.a.P.	9067

Group 19.—Glass and Ceramics.

19.6	Traversing muffle furnace for enamelled iron work and pottery. (16.2; 16.47)	Winzer	9907

Group 20.—Solid and Liquid Fuel.

20.2	Kneading briquette mixture with naphtha, in superheated steam. (10.8)	Buss	10,102

Group 23.—Bunsen and Incand. Burners.

23.3	Bracket pipe-vaporizer for clustered upright and inverted mantles. (23.5)	Pitner	9514
23.5	Branched mixing chambers supplying clusters of mixed upright and inverted mantles. (23.3)	Pitner	9514

Group 25. Washing; Cleaning; Brushes.

25.2	Semi-circular ribbed trough and rocking segmental rubber; corrugations	Mayrhofer	9093

Group 29.—Refrigeration.

29.2	Plate-ice plant; freezing on pipes, afterwards thawed out; holes filled by freezing-in. (29.4; 29.5)	Havenstrite	8068
29.4	Diagram of ammonia plant for plate-ice. (29.2; 29.5)	Havenstrite	8068
29.5	Couplings, &c., and duplex tube system in plate-ice plant. (29.2; 29.4)	Havenstrite	8068

Group 30.—Ploughing.

30.3	C-spring scarifier or tyne for attachment to seeders. (31.1) ...	Boundy C.a.P.	8225
30.3	Plate-metal plough shares and sockets; leg and foot bars, 2 styles...	Shearer C.a.P.	8287

Group 31.—Cultivation.

31.1	C-spring scarifier or tyne for attachment to seeders. (30.3) ...	Boundy C.a.P.	8225

Complete Specifications Accepted—*continued.*

Group 33.—Tropiculture.

33.8 Drum grater for cocoa-nut rind; clearing brushing. (10.7; 34.1) Granger C.a.P. 10,075

Group 34.—Cereals, Vegetables, Fruit.

34.1 Drum grater for cocoa-nut rind; clearing brushes. (10.7; 33.8) ... Granger C.a.P. 10,075

Group 36.—Dairy Food.

36.1 Piston-operated teat presses; each piston controlling ports of the follower. (65.4) Lindström 9305

36.1 Two-pipe systems, rotary pulse valve or pulsating pump with secondary motor pulsators in the byre. (65.4) Feldmeier 9820

Group 37.—Pastoral.

37.8 Travelling fire-box with forced blast and guards for track burning; spray tank Cosgrove C.a.P. 8125

Group 38.—Fowling; Fishing; Trapping.

38.1 Trap nest; automatic gates secure the hen. (38.6) Staines 9267

38.6 Trap nest for hens, also suitable for catching animals. (38.1) ... Staines 9267

Group 39.—Harness; Animal Power.

39.5 Horse rug; direct front girth; crossed diagonal belly girths ... Greenwood C.a.P.8116

Group 40.—Textile Raw Materials.

40.1 Retting mallow plants ("Canhamo Braziliensis Perini") with salt and soda. (48.1) (Section 121) de Perini 7291

40.1 Plant for de-seeding, &c., flax; retting in hot soda; submerged crushing and squeezing rollers in series Murphy C.a.P. 7913

Group 44.—Boots and Shoes; Umbrellas.

44.3 Screwed wire for boot rivets; roughened depressions between the threads. (78.1; 78.3) Perry C.a.P. 8389

Group 45.—Furniture.

45.4 Clamping plate glass in shop fronts, &c.; glass astragals and stiffeners. (45.9; 81.5) Duff C.a.P. 8495

45.9 Clamping plate glass in shop fronts, &c.; glass astragals and stiffeners. (45.4; 81.5) Duff C.a.P. 8495

Group 48.—Paper; Bookbinding.

48.1 Pulp from mallow plant ("Canhamo Braziliensis Perini") by boiling in caustic under pressure. (40.1) (Section 121) de Perini 7291

Group 53.—Amusements.

53.0 Colour and position code of numeration for jockeys, &c.; units by colour, tens by position. (99.6) Beattie 7971

53.2 Whirling trapeze; jaw grips for performers. (53.5) (Section 121) Williams 9982

53.5 Whirling circus-machine; acrobats slung by the teeth or jaw grip. (53.2) (Section 121) Williams 9982

Complete Specifications Accepted—*continued.*

Group 54.—Commerce.

54.1	Semaphore and lamp surfaces; double celluloid sheets of diverse colour and pattern. (99.6)	Bleakley		9290
54.3	Reversible address label; metal flaps, swivel hinge and spring catch. (Section 85, *see* 4465/05)	Whelan	C.a.P.	8143

Group 60.—Mechanism; Lubrication.

60.9	Splash lubrication; guide plates dripping on crank pins. (66.2) ...	Crockford		9004
60.9	Railway axle box; circulating oil by radially corrugated disc. (96.4)	Wood		10,101

Group 61.—Governors.

61.7	Reducing valve; air-brake pressure to water supply of railway cars. (62.5; 86.1; 96.8)	Madden	C.a.P.	8352

Group 62.—Power Storage.

62.5	Pneumatic bellows accumulator for water pressure on railway cars. (61.7; 86.1; 96.8)	Madden	C.a.P.	8352
62.7	Full-width belt fastener; serrated grips and back plates	Tomkies		9808

Group 63.—Steam Power.

63.4	Water-filled fire bars included in the convection circuit of boilers. (16.8; 17.7)	Chandler	C.a.P.	9067

Group 64.—Cranked Engines.

64.5	Motor piston valves, operated by rotary valve; in multiple cylinder engine. (64.8; 72.7)	Haeseler		9028
64.8	Portable rotary drill head; 4-cylinder diagonal engines; motor-piston valves. (64.5; 72.7)	Haeseler		9028

Group 65.—Reciprocating Motors.

65.4	Piston-operated teat presses; each piston controlling ports of the follower. (36.1)...	Lindström		9305
65.4	Motor pulsators for milking; 7 modifications following Vic. 16,459/99. (36.1)	Feldmeier		9820

Group 66.—Gas and Oil Engines.

66.2	Balanced engine; oppositely moving pistons; splash crank lubrication, &c. (60.9)...	Crockford		9004

Group 72.—Turning; Milling; Fitting.

72.7	Portable rotary drill head; 4-cylinder diagonal engines; motor-piston valves. (64.5; 64.8)	Haeseler		9028

Group 78.—Structural Hardware.

78.1	Screwed wire for boot rivets; roughened depressions between the threads. (44.3; 78.3)	Perry	C.a.P.	8389
78.3	Screwed wire for boot rivets; roughened depressions between the threads. (44.3; 78.1)	Perry	C.a.P.	8389
78.7	Operating fanlights, &c., by sliding twisted bar, radial arm and link	Rolley	C.a.P.	7976

Complete Specifications Accepted—*continued.*

Group 80.—Carpentry.

80.7	Mortise-type machine for tapering Sarven spokes; spoke clamp; double knives. (80.8)	Morris	C.a.P.	7927
80.8	Mortise-type machine for tapering Sarven spokes; spoke clamp; double knives. (80.7)	Morris	C.a.P.	7927

Group 81.—Buildings, Streets, Fencing.

81.5	Clamping plate glass in shop fronts, &c.; glass astragals and stiffeners. (45.4; 45.9)	Duff	C.a.P.	8495
81.8	Trapezoidal tubulous sheet metal dropper; staggered wire notches.	Rolfe	C.a.P.	9132

Group 82.—Harbours, Foundations.

82.6	Sheet piling; interlocked vertical channel-bars.	Friestedt		9972

Group 86.—Sanitation.

86.1	Utilizing air-brake pressure for filtering water on railway cars. (61.7; 62.5; 96.8)	Madden	C.a.P.	8352
86.2	Jacketed sterilizing retort for hospitals; umbrella-toggles and screw for securing door	Thomson	C.a.P.	8014

Group 87.—Medicine.

87.1	Redwater prescription; epsom salts, nitre, aconite, &c.	Scougall		8540

Group 96.—Rolling Stock.

96.3	Hook and link coupling operated by rock shaft, or by tappets from opposed vehicle	Lewis	C.a.P.	9921
96.4	Railway axle box; circulating oil by radially corrugated disc. (60.9)	Wood		10,101
96.8	Utilizing air-brake pressure for filtering water on railway cars. (61.7; 62.5; 86.1)	Madden	C.a.P.	8352

Group 97.—Wheels.

97.6	Flexible outer rim supporting layers of S and spiral springs, &c.	Finnell	C.a.P.	8772

Group 98.—Permanent Way.

98.2	Wheel treadle lifts a tappet coupled to facing points; tappet engages a cam on the tram car and throws the points. (99.6) ...	Hibner		9540

Group 99.—Signalling.

99.6	Colour and position code of numeration for jockeys, &c.; units by colour, tens by position. (53.0)	Beattie		7971
99.6	Semaphore and lamp surfaces; double celluloid sheets of diverse colour and pattern. (54.1)	Bleakley		9290
99.6	Coupling semaphores or lamps to facing points operated from the vehicle. (98.2)	Hibner		9540

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1907.

7702. A. E. Bacigalupi. *Cliches, stereotype-plates, &c.* Classes 01.7; 47.7; 50.2; 52.4.

7892. T. J. Lovett. *Magnetic separator.* Class 11.7.

7899. G. Saur. *Flushing cisterns.* Class 86.2.

7966. W. McEachern. *Delivering aerated liquid.* Classes 27.7; 54.7.

8004. F. H. Mitton. *Fodder for animals.* Classes 10.8; 34.2.

8016. Checkogram Limited (Stockall, Jun.). *Registering tickets.* Classes 04.4; 54.2; 56.2.

8028. J. Wirth. *Roller strippers.* Class 32.3.

8038. W. P. Magee. *Race starting machine.* Class 53.3.

8052. E. T. Newton-Clare. *Sugar.* Classes 10.8; 17.5; 28.5; 33.1.

8073. S. Meers. *Artificial leather:* Classes 41.9; 47.3; 79.6.

8078. E. N. Waters (Sohler and Schneider). *Oil presses.* Classes 10.8; 57.3.

8117. J. C. Bourne and others. *Valves.* Classes 66.7; 74.7.

8181. F. W. & W. C. Gifford. *Railroad illusion apparatus.* Classes 00.1; 53.4; 53.5.

8213. J. Kahn. *Expanded metal.* Classes 73.2; 81.2.

8219. E. N. Waters (Wood). *Curved stereotypes.* Classes 50.2; 72.3.

8226. E. N. Waters (Wood). *Curved stereotypes.* Classes 50.2; 72.3.

8227. Cartland and Lilly. *Swinging windows.* Class 78.7.

8228. Cartland and Lilly. *Casement mechanism.* Class 78.7.

8259. E. N. Waters (Albrecht). *Incandescent mantles.* Class 23.5.

8282. L. & D. H. Burrell (Hoyt). *Centrifugal shaft mountings.* Classes 36.6; 60.4; 60.8.

8291. C. F. F. Allan. *Portable oven.* Class 24.2.

8295. W. J. Loring (Shaw). *Excavator for vats, &c.* Classes 14.7; 59.6; 59.9; 84.3.

8311. Stephens and Phillips. *Perforated inner saucepan.* Class 24.7.

8321. W. Tyree. *Spraying paint, &c.* Classes 21.87; 31.9; 68.9; 79.4.

8371. G. G. Turri (Désy). *Excavators.* Classes 59.1; 84.5; 95.5.

Printed Specifications Published—*continued.*

1907.

8373. F. GALLSWORTHY. *Machine belts, &c.* Classes 39.6; 47.3; 62.7.
8374. THE KARSAM SOAP CO. LTD. (SAMUEL). *Soaps, candle stock, &c.* Classes 22.1; 25.1; 74.9.
8375. INTER. CIGAR MACHINERY CO. (TYBERG and OTHERS). *Cigar machinery.* Class 33.4.
8378. J. R. COUTTS. *Combustible gas.* Classes 16.2; 21.1; 21.5.
8379. J. E. GARRATT. *Exercising the lungs.* Classes 53.2; 56.6; 87.2.
8383. W. BERESFORD. *Automatic weighing machines.* Classes 10.1; 33.8; 56.8.
8390. INGERSOLL-RAND CO. (GIBSON). *Electro-pneumatic channellers.* Classes 69.4; 85.7.
8391. R. WEIR. *Clothes wardrobe.* Class 45.4.
8392. R. WEIR. *Clothes wardrobe.* Class 45.4.
8393. A. FISCHER. *Cooking and baking.* Classes 24.2; 24.5.
8394. A. FISCHER. *Atmospheric gas burner.* Classes 23.1; 24.5.
8398. E. P. ALLEN. *Valves.* Class 74.7.
8399. E. P. ALLEN. *Air valves.* Classes 00.7; 61.7; 63.7; 81.6.
8418. L. HARDAKER. *Vehicle wheels.* Classes 93.5; 97.81; 97.89.
8443. E. WIART. *Steam condensation.* Classes 63.8; 68.6.

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Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

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Commissioner of Patents.

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Stone, A. W. & F.	Treating leather	P. 10,736
,, Bros. & Co.	Treating leather	P. 10,736
Stowe, F. E.	Valve	8473
,, F. E.	Flushing cistern	10,603
Sutton, E.	Windmill regulator	8761
Synoloids Ld. (*assignee*)	Printing, &c., photographs ...	3757
Taylor, R. B.	Window sashes	P. 10,698
Teese, W. J.	Teat-cup support	8451
Thomson, W.	Door fastener	P. 10,666
Thurlow, J.	Folding chair	P. 10,582
Tonks & Co., F.	Chimneys	P. 10,739
,, F.	Chimneys	P. 10,739

Name.	Subject.	Number.
Torkington, A. W.	Tyres	10,701
Traphagen & Hull Mfg. Co.	Convertible chair	P. 10,712
Trewhella Bros. (B. & W.)	Rope hauling	P. 10,723
T. Robinson & Co. Pty. Ld. (Howarth) ...	Seed drills	8208
Turri, G. G. (Highsmith)	Lens-drilling machines ...	10,682
Un. Shoe Mach. Co. (Barclay & Bates) ...	Heel building	P. 10,585
,, ,, ,, (Bates)	Boots and shoes.	P. 10,747
,, ,, ,, (Cavanagh)	Lasting machines	P. 10,588
,, ,, ,, (Hadaway)	Lubricators	8565
,, ,, ,, (Jerram & Gouldbourn)	Punching machines	P. 10,746
,, ,, ,, (McFeely)	Pulling-over machines ...	8388
,, ,, ,, (Mayo)	Shoe sewing machines ...	8555
,, ,, ,, (Perry)	Metallic fasteners	8389
Varley, W. J. F.	Vehicle brake	P. 10,671
Walker, Emma J.	Cooling safes	10,596
Wallis, A. F. (*assignee*)	Generating, &c., gas	1507
Walsh, F. (Smith)	Gas pressure	10,655
Ward, A. A.	Pumps	P. 10,653
Waters, E. N. (Holbourns & Longhurst) ...	Linotype machines	10,726
Wearne, J. F.	Rifle sights	P. 10.629
-Weston, R. H., Hunter-	Rabbit extermination	10,581
Whelan, C. R.	Buckles	P. 10,633
Whittaker, G. J.	Door stop	P. 10,734
Wightman, R.	Advertising	10,586
Wigmore, F. J.	Ventilation	P. 10,616
Willcocks, C. E.	Eye lotion	P. 10,664
Wills, A. H.	Castrating apparatus	9378

CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

JANUARY, 1908.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.2	Scale and trammel head forming T-square	Cullen	P. 10,662
	Group 02.—Dynamo Electric Machinery.		
02.6	Producing high frequency electrical oscillations. (05.5)	Fessenden	10,745
	Group 04.—Electric Apparatus.		
04.3	Treadle contact maker for railways. (98.2)	Griffiths	P. 10,624
	Group 05.—Telegraphy and Telephony.		
05.4	Telegraph typewriter	Cardwell	10,683
05.5	Signalling by electro-magnetic waves	Fessenden	10,744
05.5	Producing high frequency electrical oscillations. (02.6) ...	Fessenden	10,745
05.6	Telephone call recording systems. (05.7)	Rolfe	P. 10,722
05.7	Telephone call recording systems. (05.6)	Rolfe	P. 10,722
	Group 06.—Electric Lamps.		
06.6	Lamp clusters	Benjamin	10,740
06.7	Electric kettle. (24.5)	Smith	8536
06.7	Electric branding apparatus. (37.4)	Ffrench	10,583
	Group 07.—Electrolysis and Batteries.		
07.3	Secondary batteries, plating baths, &c. (07.6)	Joel	10,695
07.6	Secondary batteries, plating baths, &c. (07.3)	Joel	10,695

Class.	Title.	Name.	Number.
	Group 08.—Mineral Chemistry.		
08.9	Treating sulphide ores. (15.4; 15.5)	Carrick	8488
08.9	Recovering ammonia and improving tar in gases of furnaces, &c. (09.8; 16.2; 16.33; 21.1)	Dunnachie	10,607
	Group 09.—Organic Chemistry.		
09.8	Recovering ammonia and improving tar in gases of furnaces, &c. (08.9; 16.2; 16.33; 21.1)	Dunnachie	10,607
09.9	Animal serum. (37.1; 87.1). (Section 85, *see* 6908/06) ...	Deutschmann P.	10,665
	Group 10.—Crushing and Grinding.		
10.2	Shank suspender for stamper batteries	Harrison	9637
10.6	Aerating mill for fresh superphosphate, &c.	Burgess	10,593
10.6	Pulverizer. (60.7)	Johns	10,668
10.8	Preparing non-aqueous mixtures, &c. (60.9; 79.3)	Acheson	10,587
	Group 11.—Mech. and Elec. Separation.		
11.3	Grain cleaner, separator and grader. (32.6)	McFarland	8250
11.7	Magnetic separators	Moore	10,678
11.7	Recovering magnetic particles	Moore	10,679
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Sluicing apparatus for saving gold. (13.2)	Morter P.	10,730
12.1	Separating metals from gangue	Doggwyler	10,749
12.5	Separating and concentrating zinc sulphide ores, &c.	Corbett P.	10,638
	Group 13.—Amalgamation.		
13.2	Sluicing apparatus for saving gold. (12.1)	Morter P.	10,730
	Group 15.—Metallurgy in Furnaces.		
15.4	Treating sulphide ores. (08.9; 15.5)	Carrick	8488
15.5	Treating sulphide ores. (08.9; 15.4)	Carrick	8488
	Group 16.—Furnaces.		
16.2	Recovering ammonia and improving tar in gases of furnaces, &c. (08.9; 09.8; 16.33; 21.1)	Dunnachie	10,607
16.33	Recovering ammonia and improving tar in gases of furnaces, &c. (08.9; 09.8; 16.2; 21.1)	Dunnachie	10,607
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Smoke preventer for boiler furnaces. (17.7)	Huelin	10,608
17.1	Chimneys. (81.6)	Tonks P.	10,738
17.5	Desiccating milk, &c. (33.1; 36.4; 74.9)	Bevenot	8507
17.7	Smoke preventing in steam boilers	Ellis P.	10,602
17.7	Smoke preventer for boiler furnaces. (17.1)	Huelin	10,608
17.7	Smoke consumer, spark arrester and fuel economizer. (17.8) ...	Mulholland P.	10,708
17.8	Smoke consumer, spark arrester, and fuel economizer. (17.7) ...	Mulholland P.	10,708
	Group 21.—Gas for Light and Heat.		
21.1	Recovering ammonia and improving tar in gases of furnaces, &c. (08.9; 09.8; 16.2; 16.33)	Dunnachie	10,607
21.5	Determining moisture in wool. (28.5; 37.6)	McLeod	8685
21.81	Acetylene gas generator	Binney P.	10,709

Class.	Title.	Name.	Number.
	Group 22.—Candles and Lamps.		
22.1	Candle extinguisher	Fairfax	P. 10,718
22.5	Indicating or regulating pressure of gas. (61.7)	Smith	10,655
22.8	Operating street gas lamps from a distance	Debenham	10,643
	Group 23.—Bunsen and Incand. Burners.		
23.3	Docking and castrating apparatus. (37.1; 87.4)	Smith	9378
23.5	Heating apparatus for rooms. (24.2). (Section 121) ...	Rosenthal	10,650
	Group 24.—Domestic Heating; Cooking.		
24.2	Heating apparatus for rooms. (23.5). (Section 121) ...	Rosenthal	10,650
24.2	Fuel saver and heat regulator for tile grates	Seeley	P. 10,689
24.5	Electric kettle. (06.7)	Smith	8536
24.5	Iron furnace or portable copper frame	McIver	P. 10,690
	Group 28.—Distillation and Filtration.		
28.1	Feed pressure filter for gold bearing slimes	Layther	P. 10,639
28.1	Slime filters	Brown	P. 10,714
28.5	Determining moisture in wool. (21.5; 37.6)	McLeod	8685
	Group 29.—Refrigeration.		
29.3	Cooling safes. (36.3.) (Section 7, *see* Qld. 7397/03)	Walker	10,596
29.3	Cooling attachment for vessels	Osmond	P. 10,733
29.4	Ventilating and cooling apartments. (81.6)	Davey	P. 10,713
29.7	Double cylinder ice cream machine	Bassett	P. 10,741
	Group 30.—Ploughing.		
30.2	Rope hauling apparatus. (59.2)	Trewhella	P. 10,723
30.7	Ploughs	Small	P. 10,610
	Group 31.—Cultivation.		
31.1	Seed drill sowing, &c., appliances	Howarth	8208
31.5	Pickling wheat, &c. (59.6)	Dick	9693
	Group 32.—Harvesting.		
32.2	Broom-corn or millet harvester. (33.1)	Larson	10,661
32.2	Lawn mowers	Haslam	P. 10,725
32.6	Grain cleaner, separator and grader. (11.3)	McFarland	8250
	Group 33.—Tropiculture.		
33.1	Desiccating milk, &c. (17.5; 36.4; 74.9)	Bevenot	8507
33.1	Broom-corn or millet harvester. (32.2)	Larson	10,661
33.1	Sugar cane harvester	Needham	P. 10,663
33.3	Treating tobacco stems, &c.	Lindenberger	10,681
	Group 34.—Cereals, Vegetables, Fruit.		
34.1	Shelling green peas. (76.8)	Mitchell	P. 10,731
34.2	Cattle food. (Section 7, *see* Vic., 21,349/04)	Livingstone	10,611
	Group 35.—Meat Food.		
35.1	Rotary electric flayer	Hurrey	10,716

Class.	Title.	Name.	Number.
	Group 36.—Dairy Food.		
36.1	Teat cup support	Teese	8451
36.1	Teat cup	O'Connell	8506
36.1	Milking machines	Benn	P. 10,612
36.1	Milking machines	Harkin	P. 10,623
36.1	Cups of milking machines	Harkin	P. 10,652
36.1	Milking machines	Mortensen	10,727
36.3	Cooling safes. (29.3). (Section 7, *see* Qld. 7397/03) ...	Walker	10,596
36.4	Desiccating milk, &c. (17.5; 33.1; 74.9)	Bevenot	8507
	Group 37.—Pastoral.		
37.1	Docking and castrating apparatus. (23.3; 87.4)	Smith	9378
37.1	Animal serum. (09.9; 87.1). (Section 85, *see* 6908/06) ...	Deutschmann	P. 10,665
37.4	Electric branding apparatus. (06.7)	Ffrench	10,583
37.4	Brand head. (50.9)	Edwards	P. 10,676
37.6	Determining moisture in wool. (21.5; 28.5)	McLeod	8685
37.6	Sheep shearing machinery	Silver	P. 10,614
37.6	Universal joint or coupling for sheep shears	Boll	P. 10,647
37.6	Sheep shearing machines. (65.4)	Crawford	P. 10,656
37.6	Shearing machines	Palmer	10,739
	Group 38.—Fowling; Fishing; Trapping.		
38.7	Spring jaw traps	Cox	P. 10,592
38.9	Rabbit exterminator. (68.9)	H.-Weston	10,581
38.9	Poison distributor	Montgomery	P. 10,595
38.9	Destroying rabbits, &c.	O'Hare	P. 10,672
38.9	Poisoning rabbits	Moody	P. 10,675
38.9	Destroying rabbits, &c. (68.9; 69.4)	Raruschke	10,724
	Group 39.—Harness; Animal Power.		
39.5	Horse rug and fastening	Allinson	10,702
39.6	Vehicle brake (93.7)	Varley	P. 10,671
39.7	Buckles	Whelan	P. 10,633
	Group 41.—Weaving.		
41.9	Treating leather. (47.3)	Stone	P. 10,736
	Group 42.—Sewing.		
42.1	Needle threader	Langman	9816
42.7	Lock stitch, wax thread, sewing machines. (44.5)	Mayo	8555
42.7	Sewing machine lubricators. (44.5)	Hadaway	8565
	Group 43.—Wearing Apparel.		
43.1	Cutting out fabric, &c., to pattern	Brunt	P. 10,729
43.6	Detachable shirt collar	Jackson	10,615
43.7	Safety razor. (76.1). (Section 7, *see* Vic. 20,117/03)	Gillette	10,691
43.7	Polishing powder and paste. (75.1)	Eckersley	P. 10,719
43.8	Ladies' hat-holders...	Batho	P. 10,703
43.9	Fastening or setting for precious stones. (75.7)	Friend	8863

Class.	Title.	Name.	Number.
	Group 44.—Boots and Shoes; Umbrellas.		
44.5	Pulling-over machines	McFeely	8388
44.5	Wire for metallic fasteners. (78.3)	Perry	8389
44.5	Lock stitch, wax thread, sewing machines. (42.7)	Mayo	8555
44.5	Sewing machine lubricators. (42.7)	Hadaway	8565
44.5	Heel building machines	Barclay	P. 10,585
44.5	Lasting machines	Cavanagh	P. 10,588
44.5	Beating machines for finishing boots	Alley	P. 10,601
44.5	Punching and eyeleting machines	Jerram	P. 10,746
44.5	Boot and shoe machines	Bates	P. 10,747
44.5	Boot and shoe machines	Stewart	10,750
	Group 45.—Furniture.		
45.1	Folding chair	Thurlow	P. 10,582
45.1	Chairs	Haggard	P. 10,648
45.1	Convertible chair or table. (45.3)	Campbell	P. 10,712
45.1	Folding deck chair	Gray	P. 10,717
45.2	Convertible bed settee	Preston	P. 10,626
45.2	Casting corner brackets on bedstead posts. (70.2)	Gibson	P. 10,670
45.3	Table top	Cook	P. 10,618
45.3	Table with closing legs	Hogan	P. 10,658
45.3	Convertible chair or table. (45.1)	Campbell	P. 10,712
	Group 46.—Upholstery.		
46.5	Machine for cutting rolls of paper. (48.3)	Baker	P. 10,636
	Group 47.—Leather and Plastics.		
47.3	Treating leather. (41.9)	Stone	P. 10,736
47.3	Treating hides. (47.5)	Hodgson	P. 10,651
47.5	Treating hides. (47.3)	Hodgson	P. 10,651
	Group 48.—Paper; Bookbinding.		
48.3	Machine for cutting rolls of paper. (46.5)	Baker	P. 10,636
48.8	Book retainer with advertisement holder. (54.1)	Besley	P. 10,598
	Group 49.—Clerical; Scholastic; Artistic.		
49.3	Envelopes	Henry	P. 10,693
	Group 50.—Typographic Printing.		
50.5	Linotype machines	Holbourns	10,726
50.9	Brand head. (37.4)	Edwards	P. 10,676
	Group 51.—Lithography, &c.		
51.3	Rotary duplicators. (51.6)	Carter	10,654
51.6	Rotary duplicators. (51.3)	Carter	10,654
	Group 52.—Photography.		
52.6	Photographic printing for duplicating drawings. (Section 121) ...	Hillmann	10,584
	Group 53.—Amusements.		
53.3	Horse race starting machine	May	P. 10,657
53.7	**Naval game**	Harris	P. 10,627
53.7	Joining of cones for games	King	P. 10,641

Class	Title.	Name.	Number.
	Group 54.—Commerce.		
54.1	Advertising devices	Wightman	10,586
54.1	Book retainer with advertisement holder. (48.8)	Besley	P. 10,598
54.1	Counter advertising cabinet	Henderson	10,674
54.3	Postage stamp vending machine. (55.7)	Ellis	P. 10,628
54.3	Chain clasp lock, &c. (77.7)	Ive	P. 10,631
54.3	Delivery and return label	Reilly	P. 10,659
54.3	Coin operated machine for vending stamps, &c. (55.7) ...	Lloyd	P. 10,751
54.5	Goods delivery, call and return check system	O'Meara	P. 10,635
	Group 55.—Money.		
55.7	Postage stamp vending machine. (54.3)	Ellis	P. 10,628
55.7	Coin-in-the-slot machines. (77.3; 86.3)	Peters	P. 10,696
55.7	Coin operated machine for vending stamps, &c. (54.3) ...	Lloyd	P. 10,751
	Group 56.—Counting, Measuring, Weighing.		
56.2	Controlling and registering supply of liquids. (56.5)	Bronner	P. 10,669
56.2	Counters, indicators, &c.	Rolfe	P. 10,721
56.5	Controlling or registering supply of liquids. (56.2)	Bronner	P. 10,669
56.8	Weighing and delivering grain, &c. (57.4)	Lang	P. 10,634
	Group 57.—Packing, Compressing, Bottling.		
57.1	Wool packs	August	P. 10,737
57.3	Baling presses	McDonald	8485
57.3	Portable fodder and skin press	Olsen	P. 10,642
57.4	Weighing and delivering grain, &c. (56.8)	Lang	P. 10,634
57.5	Vessels for containing liquids under pressure	Osborne	P. 10,707
57.6	Preventing fraudulent refilling of bottles	Green	P. 10,706
57.8	Collapsible drinking cup	Gordon	P. 10,646
57.8	Handle attachment. (78.2)	Davis	P. 10,649
	Group 58.—Chains, Ropes, Wire.		
58.3	Wire strainer	Emerson	P. 10,599
58.5	Wire netting weaving machines	Begg	9681
	Group 59.—Conveying and Lifting.		
59.2	Rope hauling apparatus. (30.2)	Trewhella	P. 10,723
59.2	Dumping bale and box elevators	Bragg	P. 10,735
59.6	Pickling wheat, &c. (31.5)	Dick	9693
59.9	Apparatus for emptying superphosphate pits	Keller	10,594
	Group 60.—Mechanism; Lubrication.		
60.2	Earth and rock drills. (85.2)	Porter	P. 10,742
60.7	Pulverizer. (10.6)	Johns	10,668
60.9	Preparing non-aqueous mixtures, &c. (10.8; 79.3)	Acheson	10,587
	Group 61.—Governors.		
61.7	Indicating or regulating pressure of gas. (22.5)	Smith	10,655
61.9	Steam engine expansion governor. (64.5)	Niemann	P. 10,591
	Group 62.—Power Storage.		
62.1	Compressed air engine	Kellock	10,685
62.7	Adhesive pulley cover. (79.3)	Favard	10,673

Class.	Title.	Name.	Number.
	Group 63.—Steam Power.		
63.2	Treating steam for steam engines. (Section 121)	Sisterson	10,620
63.4	Water jacket furnace for sugar cane boilers	Kellock	10,684
	Group 64.—Cranked Engines.		
64.5	High pressure equilibrium valve. (64.9; 65.1; 65.9)	Stowe	8473
64.5	Steam engine expansion governor. (61.9)	Niemann	P. 10,591
64.8	Fluid pressure engines	Smith	10,677
64.9	High pressure equilibrium valve. (64.5; 65.1; 65.9)	Stowe	8473
	Group 65.—Reciprocating Motors.		
65.1	High pressure equilibrium valve. (64.5; 64.9; 65.9)	Stowe	8473
65.4	Sheep shearing machines. (37.6)	Crawford	P. 10,656
65.9	High pressure equilibrium valve. (64.5; 64.9; 65.1)	Stowe	8473
	Group 66.—Gas and Oil Engines.		
66.5	Internal combustion engines. (66.7)	Martha	10,700
66.7	Internal combustion engines. (66.5)	Martha	10,700
	Group 67.—Turbines; Rotary Motors.		
67.1	Turbines. (67.2.) (Section 121)	Cramp	10,699
67.2	Turbines. (67.1). (Section 121)	Cramp	10,699
67.4	Irrigation. (67.5)	Samuels	P. 10,704
67.5	Irrigation. (67.4)	Samuels	P. 10,704
	Group 68.—Pumps for Liquids.		
68.3	Pumps for battery tailings, &c. (84.8)	Ward	P. 10,653
68.5	Mine pumps	de Lutwyche	P. 10,705
68.9	Rabbit exterminator. (38.9)	H.-Weston	10,581
68.9	Destroying rabbits, &c. (38.9; 69.4)	Baruschke	10,724
	Group 69.—Blowers and Compressors.		
69.1	Hydraulic air exhauster	Corbett	8498
69.4	Destroying rabbits, &c. (38.9; 68.9)	Baruschke	10,724
69.5	Blower for airship's propeller. (90.5)	Cooling	P. 10,590
69.6	Rotary fan	O'Neill	P. 10,720
	Group 70.—Casting and Stamping.		
70.2	Casting corner brackets on bedstead posts. (45.2)	Gibson	P. 10,670
70.2	Casting metal pipes	Custer	P. 10,728
	Group 72.—Turning; Milling; Fitting.		
72.7	Lens drilling machines. (87.6)	Highsmith	10,682
	Group 73.—Sheet Metal Work.		
73.8	Attachable ears for buckets, &c.	Barrett	P. 10,710
	Group 74.—Pipes and Fittings.		
74.8	Double acting ball or float valve. (86.2)	Holloway	P. 10,637
74.9	Desiccating milk, &c. (17.5; 33.1; 36.4)	Bevenot	8507
	Group 75.—Abrading and Polishing.		
75.1	Polishing powder and paste. (43.7)	Eckersley	P. 10,719
75.7	Fastening or setting for precious stones. (43.9)	Friend	8863

Class.	Title.	Name.	Number.
	Group 76.—Cutlery; Plate.		
76.1	Safety razor. (43.7) Section 7, *see* Vic. 20,117/03)	Gillette	10,691
76.8	Shelling green peas. (34.1)	Mitchell	P. 10,731
	Group 77.—Locks, Bolts, Safes, &c.		
77.3	Coin-in-the-slot machines. (55.7; 86.3)	Peters	P. 10,696
77.7	Chain clasp lock, &c. (54.3)	Ive	P. 10,631
	Group 78.—Structural Hardware.		
78.2	Balance handle and buffer for ventilator cords	Counsell	P. 10,613
78.2	Handle attachment. (57.8)	Davis	P. 10,649
78.3	Wire for metallic fasteners. (44.5)	Perry	8389
78.7	Hanging window sashes	Taylor	P. 10,698
78.8	Operating doors, hatchways, &c., from a distance. (91.2; 96.2) ...	Mazzolini	10,609
78.8	Operating doors. (81.5). (Section 121)	Carey	10,619
78.8	Door fastener	Thomson	P. 10,666
78.8	Self-adjusting door stop	Whittaker	P. 10,734
78.9	Clips for fixing plate glass. (81.5)	Duff	8495
	Group 79.—Paints, Adhesives, &c.		
79.3	Preparing non-aqueous mixtures, &c. (10.8; 60.9)	Acheson	10,587
79.3	Adhesive pulley cover. (62.7)	Favard	10,673
	Group 80.—Carpentry.		
80.3	Floor jack or cramp	Houlden	P. 10,680
	Group 81.—Buildings, Streets, Fencing.		
81.4	Combing for skylights, &c.	Malley	8425
81.4	Roofing strips	Overbury	10,688
81.5	Clips for fixing plate glass. (78.9)	Duff	8495
81.5	Operating doors. (78.8). (Section 121)	Carey	10,619
81.5	Adjustable ventilating sashes for windows	Palmer	P. 10,687
81.5	Dust and draft excluder for doors, &c.	Higgins	P. 10,625
81.6	Ventilating and cooling apartments. (29.4)	Davey	P. 10,713
81.6	Chimneys. (17.1)	Tonks	P. 10,738
	Group 82.—Harbours, Foundations.		
82.4	Wave power apparatus. (Section 121)	Reynolds	10,748
	Group 84.—Excavation and Dredging.		
84.3	Delver	Nioa	8460
84.3	Land leveller and grader	Grinter	P. 10,589
84.8	Pumps for battery tailings, &c. (68.3)	Ward	P. 10,653
	Group 85.—Mining.		
85.2	Earth and rock drills. (60.2)	Porter	P. 10,742
85.9	Ventilation	Wigmore	P. 10,616

Class.	Title.	Name.	Number.
	Group 86.—Sanitation.		
86.2	Closet flushing cistern	Stowe	10,603
86.2	Distributing disinfectant in closets, lavatories, &c.	Clark	P. 10,605
86.2	Flushing cisterns	Minto	P. 10,630
86.2	Double acting ball or float valve. (74.8)	Holloway	P. 10,637
86.2	Hand pull disinfectant supply for closets	Butler	P. 10,640
86.3	Pedestal closet seat	Short	P. 10,692
86.3	Coin-in-the-slot machines. (55.7; 77.3)	Peters	P. 10,696
86.5	Dust collector for motor cars, &c. (95.7)	Hicks	P. 10,621
86.5	Dust suppressor and roof cooler	Sparrow	P. 10,686
	Group 87.—Medicine.		
87.1	Eye lotion	Willcocks	P. 10,664
87.1	Animal serum. (09.9; 37.1). (Section 85, *see* 6908/06) ...	Deutschmann	P. 10,665
87.4	Docking and castrating apparatus. (23.3; 37.1)	Smith	9378
87.6	Lens drilling machines. (72.7)	Highsmith	10,682
	Group 88.—Salvage, Accidents.		
88.2	Chemical fire extinguishing powder	Best	P. 10,694
	Group 89.—War.		
89.5	Rifle leaf sights	Wearne	P. 10,629
89.5	Movable ladder for rifle shooting	Brown	P. 10,715
89.8	Explosives	Luciani	10,644
	Group 90.—Wind and Flying Machines.		
90.5	Blower for airship's propeller. (69.5)	Cooling	P. 10,590
90.7	Windmill regulator	Sutton	8761
90.7	Horizontal aermotor	Lennon	P. 10,632
	Group 91.—Ship Building.		
91.2	Outrigger boats, speed launches, &c.	McKay	P. 10,597
91.2	Operating doors, hatchways, &c., from a distance. (78.8; 96.2) ...	Mazzolini	10,609
91.2	Coating ships' bottoms to prevent fouling, &c.	Hawke	P. 10,697
	Group 92.—Marine Propulsion.		
92.6	Propellers	Douse	10,600
	Group 93.—Road Vehicles.		
93.2	Rocking perambulators, &c.	Hale	P. 10,604
93.2	Sliding seats for gigs, &c. (Section 121)	Martin	10,622
93.7	Vehicle brake. (39.6)	Varley	P. 10,671
93.7	Draught bar for vehicles	Barrett	P. 10,711
	Group 94.—Cycles.		
94.3	Auxiliary driving gear for bicycles. (94.5; 94.7)	Parker	P. 10,660
94.3	Bicycle handles	Mead	P. 10,732
94.5	Auxiliary driving gear for bicycles. (94.3; 94.7)	Parker	P. 10,660
94.7	Auxiliary driving gear for bicycles. (94.3; 94.5)	Parker	P. 10,660
	Group 95.—Locomobiles.		
95.7	Preventing side slip of vehicles. (97.89)	Newcomb	10,606
95.7	Dust collector for motor cars, &c. (86.5)	Hicks	P. 10,621

Class.	Title.	Name.	Number.
	Group 96.—Rolling Stock.		
96.1	Gauge changing. (96.3; 98.6)	Berger	P. 10,667
96.2	Operating doors, hatchways, &c., from a distance. (78.8; 91.2) ...	Mazzolini	10,609
96.3	Interlocking device	Froggatt	P. 10,617
96.3	Gauge changing. (96.1; 98.6)	Berger	P. 10,667
	Group 97.—Wheels.		
97.6	Vehicle tyres. (97.81)	Finnell	8772
97.81	Vehicle tyres. (97.6)	Finnell	8772
97.81	Motor car, &c., tyres	Torkington	10,701
97.89	Preventing side slip of vehicles. (95.7)	Newcomb	10,606
	Group 98.—Permanent Way.		
98.2	Switch throwing mechanism	Steele	8381
98.2	Treadle contact maker for railways. (04.3)	Griffiths	P. 10,624
98.2	Electric signalling for railways. (99.4)	Matter	10,645
98.6	Gauge changing. (96.1; 96.3)	Berger	P. 10,667
	Group 99.—Signalling.		
99.4	Electric signalling for railways. (98.2)	Matter	10,645
99.6	Military signalling lamp	Rylatt	P. 10,743

Printed and Published for the Department of Patents, Commonwealth of Australia,
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As set out in the Second Schedule to the Act.

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On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

Fees payable on and in connexion with Letters Patent in addition to those set out in the Second Schedule to the Act.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 8.] 1908. [No. 6.
(WITH SUPPLEMENT.)
Tuesday, 18th February.

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Notices.

Applications Received, 10,785 to 10,830.

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NOTICE IS HEREBY GIVEN that the beneficial owners are prepared to satisfy all reasonable requirements of the public with respect to their Australian patents as follows:—

No. 2793, dated 22nd March, 1905, for—"Improvements in method of recovering values from ores by dissolving in molten baths." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 2794, dated 22nd March, 1905, for—"Improvements in method of smelting ores and cleaning converter slags." (RALPH BAGGALEY and CHARLES MAURICE ALLEN.)

No. 3250, dated 24th May, 1905, for—"Method of converting copper mattes." (CHARLES MAURICE ALLEN.)

No. 3251, dated 24th May, 1905, for—"Method of smelting ores and separating mattes." (RALPH BAGGALEY, CHARLES MAURICE ALLEN, and EDWARD WILLIAM LINDQUIST.)

Applications for exploitation, manufacture, or licence in relation to any or all the above Patents to be addressed to—

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PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 6th to 12th February, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 6th February.

10,785. *Prov.* John Hollole, Stawell Chambers, Law Courts-place, Melbourne, Vic., tea merchant,

"Automatic sash lock."

10,786. *Comp.* Edwin Phillips, 533 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Hermann Breker, *act. inv.*, manager, Cologne 19, Spiesergasse, Germany),

"Improvements in brewing processes."

10,787. *Prov.* Samuel Winn, Nelson, N.Z., cycle engineer and machinist,

"An improved bed rest."

10,788. *Prov.* Morris Manufacturing Company Propty. Ltd., 8-10 City-road, South Melbourne, Vic., manufacturers (*assignee of* William McPherson, *act. inv.*, 8 & 10 City-road, South Melbourne, Vic.),

"Improvements in and relating to folding cardboard boxes."

10,789. *Prov.* Charles Frederick Lungley, 2 Madden-street, Albert Park, Vic., chemical engineer,

"An improved process of and apparatus for the treatment of hides, leather and like substances."

10,790. *Comp.* Anders Johan Ericsson, Stocksund, Sweden, engineer,

"Improvements in machines for grinding solid bodies."

10,791. *Prov.* William Tyree, 314 George-street, Sydney, N.S.W., engineer,

"A new or improved dry method of destroying prickly pear or other noxious vegetation."

10,792. *Prov.* Charles Wilfred Ive, Villiers-street, New Farm, Brisbane, Qld., mechanic,

"Improved patent double mail bag label."

10,793. *Prov.* Ernest Roos, Mutual Life of New York Building, Martin-place, Sydney, N.S.W., general agent (*assignee of* Emery Bruley, *act. inv.*, Neillsville, Wisconsin, U.S.A.),

"Improvements in fence posts."

Friday, 7th February.

10,794. *Prov.* Alfred Edward Morgans, 293 St. George's-terrace, Perth, W.A., gentleman,

"Spring mounted wheel and axle principally for vehicles."

10,795. *Prov.* Dorothy Winifred Dike, "Ivanhoe," Meeniyan, South Gippsland, Vic., spinster,

"An improved combination knee rest and ear attachment for milking buckets."

10,796. *Prov.* Benjamin Reay Dyer, 72 Collins-street, Hobart, Tas., mining investor,

"Improvements connected with bottles of the unrefillable kind."

10,797. *Prov.* John Shearer and David Shearer, both of Main-street, Mannum, S.A., machinists,

"Improvements in stripper harvesting machines."

10,798. *Comp.* James Paull, Wyndham, N.S.W., mining engineer.

Application under Sec. 85, additional to 2288/05.

"Automatic gate opener improvement."

Applications received, 6th to 12th February—*continued.*

10,799. *Prov.* John McKay, Middle Ridge, near Toowoomba, Qld., farmer,

"A method of and apparatus for eradicating prickly pear."

10,800. *Comp.* Francis Cuthbert Brain, 98 Power-street, Hawthorn, Vic., architect,

"A machine fan."

Saturday, 8th February.

10,801. *Prov.* Francis Richard Hall, Australian Mutual Provident Buildings, Edward-street, Brisbane, Qld., architect,

"Composite pile or pillar and methods of constructing same."

10,802. *Comp.* Thomas Bottrell, Amosfield, N.S.W., grazier.

Application under Sec. 7.

"Improved apparatus for facilitating the branding and castrating of calves and other animals."

10,803. *Prov.* Jörgen Pedersen, 537 Flinders-street, Melbourne, Vic., butter manufacturer,

"Improved lid for combined churn and butter worker."

10,804. *Prov.* Robert Allan Moon and Robert Killoch Donald, both of 60 Queen-street, Melbourne, Vic., engineers,

"A mercury well or ripple for use in gold saving plants."

Monday, 10th February.

10,805. *Comp.* John Turner, 29 Field-street, Abbey Hey, Gorton, Manchester, Lancashire, Eng., and Anthony Buxton, 19 Hamer-street, Longsight, Manchester, Lancashire, Eng., rubber workers,

"Improvements in footballs and similar balls."

10,806. *Comp.* Herbert Alfred Humphrey, 38 Victoria-street, Westminster, London, Eng., consulting engineer,

"Improvements in and relating to ignition arrangements for internal combustion engines and other purposes."

10,807. *Comp.* Arthur Francis Berry, 27 Woodville-road, Ealing, Middlesex, Eng., electrical engineer,

"Improvements in electrically heated apparatus suitable for cooking and other purposes."

10,808. *Comp.* William Cary Dobbs, Camphire, Cappoquin, Waterford, Ireland,

"Improvements in wheels for road vehicles."

10,809. *Prov.* Eustace Julian Keogh, 223 Toorak-road, South Yarra, Vic., surgeon (*assignee of* Frederick John Corbett, *act. inv.*),

"An improved process and apparatus for separating and concentrating suitably divided zinc sulphide ores, tailings, slimes, and other suitable ores."

10,810. *Comp.* René Laigle, 18 Rue de Mogador, Paris, France, engineer.

Application under Sec. 121.

[Date applied for 11th Oct., 1907, being date of application in France.]

"Filaments for incandescent gas lamp mantles."

10,811. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Linotype and Machinery Limited, 188 and 189 Fleet-street, London, Eng., *assignee of* John Glennie Holbourns, *act. inv.*, 188 and 189 Fleet-street, London, Eng., linotype operator, and Henry Alexander Longhurst, *act. inv.*, 1 Bethune-road, Stoke Newington, Middlesex, Eng., engineer),

"Improved method of and means for justifying tabular matter in linotype machines."

10,812. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Linotype and Machinery Limited, 188 and 189 Fleet-street, London, Eng., *assignee of* John Glennie Holbourns, *act. inv.*, 188 and 189 Fleet-street, London, Eng., linotype operator, and Henry Alexander Longhurst, *act. inv.*, 1 Bethune-road, Stoke Newington, Middlesex, Eng., engineer),

"Improvements in typographical composing and distributing machines."

10,813. *Comp.* E. Clemens Horst Company, 215-217 Pine-street, San Francisco, Cal., U.S.A., hop growers and pickers (*assignee of the act. inv.*),

"Hop-picker and separator."

Applications received, 6th to 12th February—*continued.*

10,814. *Prov.* Roderick Impey Murchison, "Cloverdale," Bruce-street, Toorak, Vic., manufacturer,

"Improved tyre applicable to the wheels of cycles and the like."

Tuesday, 11th February.

10,815. *Comp.* William Wright, Binfield Manor Farm, Bracknell, Berkshire, Eng., gentleman,

"Improvements in and connected with derricks or elevators for hay and the like."

10,816. *Comp.* William Jethro Sturgess, 29 Cromer-road, Balsall Heath, Birmingham, Eng., engineer,

"Improvements in looking glass movements and movable blind fittings and the like."

10,817. *Comp.* Auto-Hydraulic Limited, 108A Cannon-street, London, Eng. (*assignee of* Albert Edward Hodder, *act. inv.*),

"Improvements in or relating to automatic water elevators."

10,818. *Comp.* George Holland, 13 Oakwood-lane, Barnton, Northwich, Eng.,

"Improvements in propellers."

10,819. *Prov.* Ernest Jacobsen, *act. inv.*, 386 Flinders-lane, Melbourne, Vic., and James Henrie Hewitt, *act inv.*, 26A Market-street, Melbourne, Vic., stationers and printers,

"An improved wrapper for sheet music and the like."

10,820. *Comp.* Luigi de Matteis, 45 Corso Vercelli, Turin, Italy, manufacturer (*assignee of* Luigi Perocchio, *act. inv.*, 45 Corso Vercelli, Turin, Italy, engineer),

"Improvements in system of feeding current in electric railways."

10,821. *Prov.* Adolf Kobiolke, 315 Argyle-street, Hobart, Tas.,

"An improved rubber composition."

10,822. *Prov.* Thomas Hanrahan, Bungaree, Vic., farmer,

"An improved apparatus for attachment to soil tilling implements for sowing potatoes or other tubers."

Wednesday, 12th February.

10,823. *Prov.* Frederick de Grosse, 90 George-street, Fitzroy, Vic., fitter,

"Automatic machine sheep shearer."

10,824. *Comp.* Joseph Gaut, *act. inv.*, 3 Cary-street, Leichhardt, N.S.W., artist, and Harrington and Company Limited, *assignee*, 386 George-street, Sydney, N.S.W., photographic merchant,

"Improvements in photographic cameras."

10,825. *Prov.* Sylvester Fox, 263 Chapel-street, Prahran, Vic., coachmaker,

"Button sewing gauge."

10,826. *Prov.* Milo Robert Cudmore, 17 Murphy-street, South Yarra, Vic., pastoralist (*assignee of* David Alexander Morgan, *act. inv.*, Wentworth, N.S.W., stock inspector),

"An improved compound for the prevention of blow-fly pest on sheep."

10,827. *Prov.* Lionel Buck, "Arcadia," Wy Yung, Bairnsdale, Vic., inventor,

"Improvements in motive power."

10,828. *Prov.* Askin Morrison Nicholas, Stannary Hills, *viâ* Cairns, Qld., mining engineer,

"An improved means for the extraction of tin from its ores."

10,829. *Prov.* William Henry John Willson, 40 Chapel-street, East St. Kilda, Vic., dentist,

"An appliance for truing bicycle wheel rims."

10,830. *Prov.* William Henry John Willson, 40 Chapel-street, East St. Kilda, Vic., dentist,

"An improved manufacture of bread."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

9625. Jurss, F.
10,301. Hooker, W.
10,376. Browne, J. R.
Subaqueous tunnel causeway.
10,453. Houlden, R.
10,502. Thurstan, E. P.
10,503. Ambrosius, G., & Anderson, G.
10,514. *The* Lux Foundry Propty. Ltd. (Gibson)
10,538. Hart, E. J.
10,546. Peddie, A., *133 High-street, Roslyn;* Pitt, W. E., *Littlebourne-road, Littlebourne;* & Fea, D. M., *32 Rattray-street,* all of Dunedin, N.Z.
10,547. Ellis, W. E.
10,548. Russell, G. B., G. T., & W. F.
10,554. Humphreys, J., & Willis, W.
10,557. Sutton, W. J. E.
A preparation for wool or cotton packs.
10,577. Lean, R. *Francis*

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8432. Joseph Frederick Clarke, *act. inv.*, Alexandra-street, Hunter's Hill, N.S.W., factory manager, and Ralph Naunton Davies, *assignee*, Bridge and Parramatta roads, Annandale, N.S.W., engineer,

"An improved water motor." 7th Feb., 1908.

8646. James Leslie Campbell, Roebuck-street, West Adelaide, S.A., machinist,

"An improved machine for moulding plastic material." 6th Feb., 1908.

8727. Mark Donaldson, Stand 1251, Berea-road, Bezuidenhout Valley, Johannesburg, Transvaal, S. Af., speculator, and William Griffith Williams, 36 End-street, Johannesburg, Transvaal, S. Af., contractor,

"Improvements in totalisator apparatus." 6th Feb., 1906.

8768. George Albert Chapman, Central Mine, Broken Hill, N.S.W., metallurgist,

"Improvements in the separation of certain non-metallic from other mineral substances." 10th Feb., 1908.

8943. Joseph Richard Woodman, 731 Ann-street, Fortitude Valley, Brisbane, Qld., engineer,

"An improved sprayer." 7th Feb., 1908.

9294. William Charles Watson, Albion-street, Cottesloe, W.A., electric crane driver,

"Improved drop lever brake for railway carriages and trucks." 7th Feb., 1908.

9512. William George Landells, Service-street, Coburg, Vic., carpenter,

"An improved self-heating adjustable cattle branding appliance." 10th Feb., 1908.

10,301. William Hooker, 14 Moubray-street, Albert Park, South Melbourne, Vic., gas engineer,

"An automatic apparatus for supplying air for various purposes." 10th Feb., 1908.

10,383. Richard Steele, 40 Porter-street, Waverley, N.S.W., factory manager,

"Improved fastening for boots and shoes." 10th Feb., 1908.

10,420. Herman Leslie Finnis, Napier-terrace, Napier, N.Z., sheep-farmer,

"Automatic benzine docking iron." 6th Feb., 1908.

10,637. Joseph Edward Holloway, 141 Glebe Point-road, Glebe, N.S.W., plumber,

"Improvements in double acting ball or float valves." 10th Feb., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8356. Rodda, J.
8358. Riley, J.
8359. Erskine, T.
8364. McLean, D. W.
8365. Brightfield, J. W.
8386. Fortescue, A. J.
8387. Austin, W. H.
8404. James Stedman Ld. (Hosking)
8406. Hansen, T. H., & Guthridge, C. F.
8408. Shmith, C.
8409. Hargrave, H. W.
8411. Bawden, J. M.
8412. Rolfe, T. A.
8413. Mathews, J.
8416. Hogan, T.
8420. Waring, J. W.
8421. Carter, Minnie
8426. Fawcett, R. J.
8433. The Wunderlich Patent Ceiling & Roofing Co. Ld. (Martin)
8434. The Wunderlich Patent Ceiling & Roofing Co. Ld. (Martin)
8435. Hunt, H., & Morgan, R. (Harman)
8438. Southwell, C. A.
8439. Langford, W. A.
8440. Maitland-Gibson, K.
8441. White, W.

Applications Abandoned, Withdrawn, &c.

1907.

9912. *Prov.* (*Withdrawn.*) Jonathan Rankin Henderson, 58 Castlereagh-street, Sydney, N.S.W., commercial agent,

"Counter fitting for displaying advertisements."

10,312. *Prov.* (*Withdrawn.*) George Durston Brentnall, 10 Bligh-street, Sydney, N.S.W., law clerk (*assignee of* Sydney James Jelfs, *act. inv.*, 540 Darling-street, Rozelle, N.S.W.),

"Improvements in extension ladders."

Assignments Registered.

1906.

4996. "An improved butter cutter."

Assignment of the whole *by* Jantz Kohlman *to*

William Davies. Dated 10th Aug., 1906. Registered 11th Feb., 1908.

6070. "Improvements in means for reducing the self-induction in electric furnaces where the electromotive force is produced by a variable magnetic field."

Assignment of the whole *by* Fredrik Adolf Kjellin *to*

The Gröndal Kjellin Company Limited. Dated 18th Dec., 1907. Registered 4th Feb., 1908.

1907.

8183. "A new apparatus for rendering bees-wax and the cappings of honey-comb by means of tubes charged with hot water or steam and separating the honey and bees-wax from the refuse."

Assignment of the whole *by* Frederick Richard Beuhne *to*

Pender Brothers Limited. Dated 27th Sept., 1907. Registered 6th Feb., 1908.

Licence Registered.

1904.

2207. "An improved cooling safe or container for comestibles and the like."

Licence to make use and exercise and vend the invention for and during the remainder of the term of the Letters Patent within the State of New South Wales *by* Samuel Shardlow *to*

Francis Malley. Dated 28th Dec., 1907. Registered 6th Feb., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8011. McKay, H. V.
8024. McEvoy, J. H., R., & J.
8111. Bannister, J. L.
8172. Smyrk, W. A.
8207. Woodbury, G. E.
8246. Walsh, F. (de Perini)
8353. McDonald, F. J.
8366. Temple, E.
8555. Un. Shoe Mach. Co. (Mayo)
8565. Un. Shoe Mach. Co. (Hadaway)
8631. Johnson, Ellen M.
8691. Ring, E., & Carroll, W. J.
8853.*Davis, A. E., Meyer, R., Medhurst, F. H., & Ferrar, J. E.
9131. G. & C. Hoskins Ld. (Hoskins)
9143. Roberts, W. S. deL.
9211.*Timms, J. T.
9268. Heath, G.
9833. Stuart, C. H. A.
9898. Holman, J. H., & J. M.
9911. Jackson, F. H.
9950. Nichols-Fifield Shoe Mach. Co. (Lyon)
9973. Thomas, E. T.
9974. Davis, A.
9977. Gallagher, R. W.
9996.*Farmer, R. J.
10,001. Burrell, T.
10,021. Rowley, H.
10,040. Binney, Muriel M. S.
10,052. Collison, C. N. (Sutton, Steele, & Steele)
10,057. Marconi's Wireless Tele. Co. Ld. (Marconi)
10,060. Bellini, E., & Tosi, A.
10,077. Thompson, L. W.
10,080. Millar's Harvester Co. Ld. (Millar)
10,090. Harvey, J., & Pedler, H. W.
10,103. Clark, R. H.
10,104.*Turri, G. G. (Burns)
10,109. Linke, J. F., & Noack, M. S.
10,110. Yarrow & Co. (Bolton) Ltd. (Yarrow)
10,114. Babé, J., & Pape, H.
10,157. Simpson, W. S.
10,160. Pradeau, C. W.
10,172. Chatfield, A. W.
10,198. Bryant, W. J.
10,252. Fraser & Chalmers Ld. (Robeson)
10,308. Lafontaine, L. M.
10,316. The Karsam Soap Co. Ld. (Samuel & Lockwood)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8853. Alfred Edwin Davis, *act. inv.*, 42 Permanent Buildings, Harrison-street, Johannesburg, Transvaal, S. Af., engineer; Richard Meyer, *assignee*, Rand Club, Johannesburg, Transvaal, S. Af., stockbroker; Francis Hastings Medhurst, *assignee*, Westminster Chambers, 13 Victoria-street, Westminster, London, Eng., consulting engineer; and John Edgar Ferrar, *assignee*, Rand Club, Johannesburg, Transvaal, S. Af., bank manager,

"Improvements in and relating to transporting apparatus for mines."

9211. John Thomas Timms, 4 Queens-terrace, Reynard-road, Coburg, Vic., mechanic,

"An adjustable holding bracket for telephone receivers."

9996. Roland John Farmer, "Carisbrooke," Belmore-road, Randwick, N.S.W., artist,

"Improvements in closets or privies."

10,104. George Garibaldi Turri, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* John Burns, *act. inv.*, 300 Taum-street west, Christchurch, N.Z., engineer),

"Improvements in machines for dividing dough and other plastic materials."

Complete Specifications Accepted—*continued.*

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 02.—Dynamo Electric Machinery.

02.6	High-speed rotating electrodes for telephonic sparking. (05.5) ...	Marconi	10,057

Group 04.—Electric Apparatus.

04.6	Triplicate perforator for meter records; remontoire gear to record amounts up to round figures of cost. (21.6; 50.7; 54.5; 56.2; 56.5)	Gallagher	9977

Group 05.—Telegraphy and Telephony.

05.5	High-speed rotating electrodes for telephonic sparking. (02.6) ...	Marconi	10,057
05.5	Directional wireless signalling; combination of closed oscillation circuits in different planes	Bellini	10,060
05.6	Adjustable hinged bracket (gas fitting type) for telephone receivers. (78.9)	Timms	9211

Group 07.—Electrolysis and Batteries.

07.5	Electrolytic cell and process for ageing spirituous beverages; zig-zag circulation. (27.1)	Roberts	9143
07.6	Depositing pure copper from complex ores; anodes of dust and concentrates briquetted with lime; electrolyte containing lamp black and hydrogen peroxide	Lafontaine	10,308

Group 08.—Mineral Chemistry.

08.6	Absorbing SO_2 from chimney gas by water at zero and re-distilling. (08.9)	Babé	10,114
08.9	Absorbing SO_2 from chimney gas by water at zero and re-distilling. (08.6)	Babé	10,114

Group 10.—Crushing and Grinding.

10.1	Pulp and water distributors for shaking table; V-box with inclined rows of holes, &c. (11.4; 60.3)	Woodbury	CaP. 8207
10.2	Disintegrating siliceous phosphate, calcining, quenching, smelting, &c. (15.4; 31.7)	Rowley	10,021

Complete Specifications Accepted—*continued.*

Group 11.—Mech. and Elec. Separation.

11:4	Trapezoidal table; surface divided by hinge; slopes separately adjustable; shaking and feed details. (10.1; 60.3)	Woodbury	CaP. 8207
11.4	Pneumatic vanner; flat or corrugated grid tables covered with varied fabrics. (12.7; 60.3)	Sutton	10,052
11.9	Lifting tailings, &c., from conical settling pit by jet pump, clear liquor alone passing the piston pump. (14.7; 69.1; 84.8) ...	Robeson	10,252

Group 12.—Hyd. and Pneu. Separation.

12.7	Pneumatic vanner; flat or corrugated grid tables covered with varied fabrics. (11.4; 60.3)	Sutton	10,052

Group 14.—Leaching Metallurgy.

14.7	Lifting tailings, &c., from conical settling pit by jet pump, clear liquor alone passing the piston pump. (11.9; 69.1; 84.8) ...	Robeson	10,252

Group 15.—Metallurgy in Furnaces.

15.4	Smelting siliceous phosphates with magnesia, caustic, &c. (10.2; 31.7)	Rowley	10,021

Group 16.—Furnaces.

16.2	Diagram of vacuum retorts for charcoal and by-products. (20.2; 21.1)	Simpson	10,157
16.30	Gas producer; lock feed hopper; water-sealed ash-pit; purifier plant. (21.2; 21.5)	Temple	C.a.P. 8366

Group 17.—Chimneys, Fumes, Smoke.

17.8	Perforated cone extends from blast jet to top of chimney ...	Ring	C.a.P. 8691

Group 20.—Solid and Liquid Fuel.

20.2	Fractionally distilling peat or coal in vacuo, for by-products, special charcoal, &c. (16.2; 21.1)	Simpson	10,157

Group 21.—Gas for Light and Heat.

21.1	Fractionally distilling peat or coal in vacuo, for by-products, special charcoal, &c. (16.2; 20.2)	Simpson	10,157
21.2	Fuel gas plant; producer and diagram of purifiers. (16.30; 21.5)	Temple	C.a.P. 8366
21.5	Fuel gas plant; producer and diagram of purifiers. (16.30; 21.2)	Temple	C.a.P. 8366
21.89	Spring-motor carbide sprinkler controlled by safe gas pressure for blowpipe use. (61.9)	Davis	9974
21.6	Triplicate perforator for meter records; remontoire gear to record amounts up to round figures of cost. (04.6; 50.7; 54.5; 56.2; 56.5)	Gallagher	9977

Group 25.—Washing; Cleaning; Brushes.

25.1	Spraying kerosene into soap, &c., during boiling; see 8374/07 ...	Samuel	10,316

Group 27.—Beverages.

27.1	Electrolytic cell and process for ageing spirituous beverages; zig-zag circulation. (07.5)	Roberts	9143

Group 30.—Ploughing.

30.1	Raw hide strip under waist of boot for digging. (44.3) ...	McEvoy	8024
30.3	Rotatable oblique bosses for adjusting angle of plough discs ...	Linke	10,109

Complete Specifications Accepted—*continued.*

Group 31.—Cultivation.

31.7 Disintegrating siliceous phosphate, calcining, quenching, smelting, &c. (10.2; 15.4) Rowley 10,021

Group 32.—Harvesting.

32.2 Combination reaper and thrashing machine; binding, winnowing, bagging, &c. (32.6) Bannister C.a.P. 8111

32.3 L-bar frame; comb teeth adjustments and supports; beater and thresher drums; motor gearing. (95.5) McKay C.a.P. 8011

32.6 Combination reaper and thrashing machine; binding, winnowing, bagging, &c. (32.2) Bannister C.a.P. 8111

Group 34.—Cereals, Vegetables, Fruit.

34.2 Calf food; paste of flour, fat, &c., with hot water and skim milk (37.1) Johnson C.a.P. 8631

34.6 Dividing dough into loaves by star rollers, one being braked. (56.6) Burns 10,104

Group 37.—Pastoral.

37.1 Calf food; paste of flour, fat, &c., with hot water and skim milk. (34.2) Johnson C.a.P. 8631

Group 38.—Fowling; Fishing; Trapping.

38.9 Percussion tube for igniting matches, &c., in burrows filled with explosives. (89.9) Thompson 10,077

Group 39.—Harness; Animal Power.

39.6 Connecting trace chains from collars of leaders and shaft horses over pulleys on the same swingle bar. (93.7) Millar 10,080

Group 40.—Textile Raw Materials.

40.1 Retting mallow plants with salt and soda. (48.1) de Perini 8246

Group 42.—Sewing.

42.7 Wax-thread sewing; stitch setter avoiding sudden stress on thread (44.5) Mayo C.a.P. 8555

42.7 Spring support (following G.B.25,469/99) for grease pad of curved needle machines. (44.5) Hadaway C.a.P. 8565

Group 44.—Boots and Shoes; Umbrellas.

44.3 Raw hide strip under waist of boot for digging. (30.1) ... McEvoy 8024

44.3 Sole and heel blanks for repairs; bevelled edges to facilitate trimming Burrell 10,001

44.5 Wax-thread sewing; stitch setter avoiding sudden stress on thread. (42.7) Mayo C.a.P. 8555

44.5 Spring support (following G.B.25,469/99) for grease pad of curved needle machines. (42.7) Hadaway C.a.P. 8565

44.5 Knife (reciprocating cylinder-segment) for trimming inseams; star-wheel guide Lyon 9950

Group 45.—Furniture.

45.2 Collapsible cot; X-frames, side and top rods and connexions ... Binney 10,040

Complete Specifications Accepted—*continued.*

Group 48.—Paper; Bookbinding.

48.1	Boiling mallow plants in caustic for wood pulp. (40.1)... ...	de Perini	8246

Group 50.—Typographic Printing.

50.7	Quantity and cost printing; remontoire gear to omit fractional money. (04.6; 21.6; 54.5; 56.2; 56.5)	Gallagher	9977

Group 54.—Commerce.

54.5	Triplicate perforator for meter records; remontoire gear to record amounts up to round figures of cost. (04.6; 21.6; 50.7; 56.2; 56.5)	Gallagher	9977
54.5	Triplicate sales book; folded leaves with two carbons	Bryant	10,198

Group 56.—Counting, Measuring, Weighing.

56.2	Recording meters; remontoire counter gear to omit fractional money from statement. (04.6; 21.6; 50.7; 54.5; 56.5)	Gallagher	9977
56.4	Callipering upward displacement of pipe cores during casting. (70.2)	Hoskins	9131
56.5	Triplicate perforator for meter records; remontoire gear to record amounts up to round figures of cost. (04.6; 21.6; 50.7; 54.5; 56.2)	Gallagher	9977
56.6	Dividing dough into loaves by star rollers, one being braked. (34.6)	Burns	10,104

Group 57.—Packing, Compressing, Bottling.

57.3	Balancing swivel and hoisting pillar, for double-box woolpresses ...	McDonald	CaP. 8353

Group 58.—Chains, Ropes, Wire.

58.5	Wire framed gates or panels; looped joints for lifting, and diagonal collapse. (81.8; 81.9)	Heath	9268

Group 59.—Conveying and Lifting.

59.2	Horizontal sliding doors in lift wells; operated by cams on the cage	Harvey	10,090

Group 60.—Mechanism; Lubrication.

60.3	Combination shaker; gyrating toggle-strut, with adjustable thrust disc and roller. (10.1; 11.4)	Woodbury	CaP. 8207
60.3	Fly-over reversing ratchet for rock drills with washing hose. (85.9)	Holman	9898
60.3	Eccentric shaker for vanner; quick return by slotted lever. (11.4; 12.7)	Sutton	10,052

Group 61.—Governors.

61.9	Acetylene apparatus with diaphragm and float valves controlling spring-motor. (21.89)	Davis	9974

Group 62.—Power Storage.

62.8	Dividing ring clutch; expanded by lever and cam at opposite sides. (95.9)	Pradeau	10,160

Group 69.—Blowers and Compressors.

69.1	Lifting tailings, &c., from conical settling pit by jet pump, clear liquor alone passing the piston pump. (11.9; 14.7; 84.8) ...	Robeson	10,252

Group 70.—Casting and Stamping.

70.2	Horizontal pipe casting; adjustable core support against floating; lever indicator. (56.4)	Hoskins	9131

Complete Specifications Accepted—*continued.*

Group 74.—Pipes and Fittings.

74.5	Use of stranded metal packing for caulked pipe joints ...	Stuart	9833
74.5	Pipe sockets and collars for jointing by casting; 4 designs ...	Yarrow	10,110

Group 78.—Structural Hardware.

78.5	Combination hinge pins and braces of bent rod; hook-bolt attachments. (81.9.) (Section 121)	Jackson	9911
78.9	Folding scaffold brackets, fitting to permanent sockets in walls. (81.3)	Smyrk	C.a.P. 8172
78.9	Adjustable hinged bracket (gas fitting type) for telephone receivers. (05.6)	Timms	9211

Group 81.—Buildings, Streets, Fencing.

81.3	Folding scaffold brackets, fitting to permanent sockets in walls. (78.9)	Smyrk	C.a.P. 8172
81.8	Wire framed gates or panels; looped joints for lifting, and diagonal collapse. (58.5; 81.9)	Heath	9268
81.9	Wire framed gates or panels; looped joints for lifting and diagonal collapse. (58.5; 81.8)	Heath	9268
81.9	Combination hinge pins and braces of bent rod; hook-bolt attachments. (78.5). (Section 121.)	Jackson	9911

Group 84.—Excavation and Dredging.

84.8	Lifting tailings, &c., from conical settling pit by jet-pump, clear liquor alone passing the piston pump. (11.9; 14.7; 69.1) ...	Robeson	10,252

Group 85.—Mining.

85.9	Fly-over reversing ratchet to prevent winding the washing hose. (60.3)	Holman	9898

Group 86.—Sanitation.

86.2	Annular rim for disinfectant; for dry closets. (86.3) ...	Farmer	9996
86.3	Dry closets; hopper-pan having turn-over bottom with lubricated surface, &c. (86.2)	Farmer	9996

Group 87.—Medicine.

87.1	Dentists' sterilizer; carbolized glycerine. (87.7)	Chatfield	10,172
87.7	Re-planting extracted, or implanting artificial, teeth; surgical process. (87.1)	Chatfield	10,172

Group 89.—War.

89.9	Percussion tube for igniting matches, &c., in burrows filled with explosives. (38.9)	Thompson	10,077

Group 93.—Road Vehicles.

93.2	Lever and linkage for lifting go-cart body and front wheel ...	Clark	10,103
93.7	Connecting trace chains from collars of leaders and shaft horses over pulleys on the same swingle bar. (39.6)	Millar	10,080

Group 95.—Locomobiles.

95.5	Stripper harvester adapted for motor driving combinations. (32.3)	McKay	C.a.P. 8011
95.9	Divided ring clutch; expanded by lever and cam at opposite sides. (62.8)	Pradeau	10,160

Complete Specifications Accepted—*continued.*

Group 96.—Rolling Stock.

96.1	Mono-rail stock for mine work; hopper and tipping devices. (96.3 : 96.6 ; 98.1 ; 98.4)	Davis	8853
96.3	Mono-rail stock for mine work; 2-wheel bogies and guard rollers. (96.1 ; 96.6 ; 98.1 ; 98.4)	Davis	8853
96.6	Rail-gripping brake for mono-rail stock in mines. (96.1 ; 96.3 ; 98.1 ; 98.4)	Davis	8853

Group 98.—Permanent Way.

98.1	Hollow 2-piece girder rails (wood filled) with end joints over dish sleepers. (96.1 ; 96.3 ; 96.6 ; 98.4)	Davis	8853
98.1	Rail and joint sections for lateral stress; buttress webs and fish plates; central seat-rib	Thomas	9973
98.4	Mono-rail system for mines; rails, dish sleepers, rolling stock, &c. (96.1 ; 96.3 ; 96.6 ; 98.1)	Davis	8853

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,774. Adolf MULLER, 3 Bismarckstrasse, Wetzlar on the Lahn, Germany, works manager,

Application under Sec. 121.

[Date applied for 9th Feb., 1907, being date of application in Great Britain, No. 3294/07.]

"Process of obtaining cement from highly basic blast furnace slag."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6274. W. LEIVESLEY. *Simultaneous telegraphic communications.* Classes 04.3; 05.2.
6858. T. B. CROSS. *Cream cans.* Class 36.2.
6935. A. E. BROWN (GAUKROGER). *Centrifugal pumps.* Classes 60.8; 68.7; 84.8.
6993. C. E. GLASS. *Electric abdominal support.* Classes 87.4; 87.8.
6995. W. H. NORTON. *Canvas chairs.* Classes 45.1; 45.9; 46.1; 78.5.
7073. WEST and RODGER. *Computing butter-fat.* Classes 36.2; 56.2.
7126. A. C. DRECHSLER. *Lawn sprinkler.* Class 31.9.
7173. A. RIDD. *Milking machines.* Classes 36.1; 61.7.
7217. J. BAIN. *Plaster ceilings.* Classes 18.3; 46.5; 81.1.
7240. F. B. PERRY. *Veterinary medicine.* Classes 37.1; 87.1.
7290. C. B. P. BELL. *Track-clearing plough.* Classes 37.8; 84.3.
7299. UNITED SHOE MACHINERY CO. (PERRY). *Fasteners for leather goods.* Classes 44.5; 78.1.
7373. HOLLAND and FULLER. *Compound clutch.* Classes 32.3; 59.1; 62.8.
7389. MASSEY-HARRIS CO. LTD. (CHARLTON). *Grain harvesters.* Classes 32.2; 32.3; 32.6; 57.1; 60.2.
7406. W. SMITH. *Harness fastening.* Classes 39.6; 39.7.

1907.

7806. J. W. DALTON. *Breeches buoys.* Classes 22.2; 88.7; 99.6.
7811. H. R. LEES. *Harvesting potatoes.* Classes 11.3; 32.7.
7888. R. S. MATHESON and OTHERS. *Screw nail.* Classes 78.1; 78.3.
7912. J. SULLIVAN (PEHRSON). *Hose coupling.* Class 74.5.
7969. W. G. BARGER. *Stump-jump ploughs.* Classes 30.3; 30.7; 30.9.
7975. W. G. NIEMI. *Grain drier.* Classes 17.5; 32.6; 34.3.
8067. C. F. ROCKSTROH. *Securing printing plates.* Class 50.1.
8115. F. WALSH (DE PERINI). *Fibre separating machines.* Class 40.1.
8141. P. J. MCGINN. *Vehicle springs.* Class 93.3.
8286. H. H. CHANDLER. *Stripper comb.* Class 32.3.
8334. GRIFFITHS BROS. PROPY. LTD. (HUNT). *Picnic hamper.* Classes 57.1; 57.8; 57.9.
8347. E. GOLTSTEIN. *Closing bottle capsules.* Classes 57.5; 73.4.

Printed Specifications Published—*continued.*

1907.

8447. T. Parker. *Fuel.* Class 20.2.
8452. G. T. Wilson. *Railway fish plates.* Class 98.1.
8456. H. A. Taylor. *Purifying wines, &c.* Classes 27.1; 28.0.
8457. Ireland and Cole. *Pneumatic skull cap.* Classes 43.8; 53.0; 88.1; 97.85.
8530. M. L. Krimer. *Depilatory preparation.* Classes 08.2; 43.7; 47.2; 87.1.
8566. J. J. Rekar. *Hammer and drill.* Classes 10.2; 85.5; 85.8.
8579. W. C. Bradshaw. *Plaster.* Class 18.3.
8650. G. F. Jaubert. *Decomposition of chlorates.* Classes 08.6; 89.8.
8757. H. Herrenschmidt. *Metals and metalloids.* Classes 08.3; 08.8; 15.4; 15.8; 75.1.
8843. A. H. Borgström. *Butter manufacture.* Class 36.7.
8989. R. Groombridge. *Curative preparation.* Class 87.1.
9012. Ellen Dugan (Corbett). *Food for stock, or manure.* Classes 31.7; 34.2.
9144. H. Lewis. *Regenerating waste leather.* Classes 47.3; 47.9.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*7th February, 1908.*			
7101	9 Oct.	G. H. & W. P. Foster ...	N.S.W.	Hinges, bolt plates, &c. ...	478
7450	27 Nov.	Un. Shoe Mach. Co. (Ashton)	U.S.A.	Assembling machines ...	512
7458	27 Nov.	E. Deister	U.S.A.	Ore concentrators ...	621
7597	14 Dec.	Un. Shoe Mach. Co. (Bates & Gamble)	Eng.	Inserting fastenings ...	546
	1907.				
7731	4 Jan.	P. MacA. MacKaskie ...	U.S.A.	Hoisting, &c., apparatus ...	7
7901	30 Jan.	J. G. Le Couteur ...	N.S.W.	Horse-collar	581
8164	4 Mar.	F. W. Lee	Vic.	Removing wheel tyres ...	562
8316	25 Mar.	R. C. Annand	Eng.	Curved stereotype plates ...	172
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VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to –
17,891 ...	Peterson, C.	4th Feb., 1915
17,922 ...	Mitchell, J.	14th Feb., 1915
17,940 ...	Campbell, J. H. & C. H.	19th Feb., 1915
17,960 ...	White, W.	27th Feb., 1915

Assignments Registered.

1902.

19,320. "Rabbit crate and method of packing same."

Assignment of James Parker McMeekin's one-half share *by* Jemima McMeekin *to*

Henry Guy Nevill and Joseph Moore. Dated 11th Oct., 1907. Registered 7th Feb., 1908.

1903.

20,521. "Improvements in or connected with packing cases for rabbits hares and other produce."

Assignment of James Parker McMeekin's one-half share *by* Jemima McMeekin *to*

Henry Guy Nevill and Joseph Moore. Dated 11th Oct., 1907. Registered 7th Feb., 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
5885 ...	Nicholas, A. M. ...	8th Feb., 1909

1904.

7655 ...	Powell, W.	2nd Feb., 1912

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/NR.; or as the case may be.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
6919/5149 ...	Edwards, D., & Rohs, P.	28th Jan., 1915
6936/5163 ...	Nash, J. G., & Whitington, A. O.	6th Feb., 1915
6954/5170 ...	Campbell, J. H. & C. H.	19th Feb., 1915
6994/5198 ...	Un. Shoe Mach. Co.	18th Mar., 1915

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3306 ...	Wood, S. P.	15th Feb., 1915
3322 ...	Campbell, J. H. & C. H.	27th Feb., 1915

1904.

4808 ...	Cassel, H. R.	18th Feb., 1911

GEORGE TOWNSEND,
Commissioner of Patents.

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NOTICE IS HEREBY GIVEN that RICHARD HARVEY WRIGHT is prepared to satisfy all reasonable requirements of the public with respect to his Australian Patent No. 2857, dated the 29th of March, 1905, for **"Improvements in Packing Machines."**

The invention is particularly applicable for packing cigarettes and for making the packages.

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that VALDEMAR POULSEN is prepared to satisfy all reasonable requirements of the public with respect to the undermentioned Australian Patents, viz.:—

No. 692, dated 1st June, 1904. "Improvements relating to the production of alternating currents."
No. 4432, dated 24th October, 1905. "Improvements in receivers for wireless transmission of signals."
No. 4814, dated 13th December, 1905. "Improvements in receiving systems for wireless transmission of signals."

Applications as to exploitation, manufacture, or licence may be obtained from—

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For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
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2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
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Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
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23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 8.] 1908. [No. 7.

Tuesday, 25th February.

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THE

Australian Official Journal of Patents.



Notices.
Applications Received, 10,831 to 10,870.
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States Proceedings.
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REGISTERED PATENT ATTORNEY BY OFFICIAL EXAMINATION

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493-5 COLLINS ST. MELBOURNE. NEXT PATENTS OFFICE

NOTICE IS HEREBY GIVEN that the CALIFORNIA PRODUCTS COMPANY the beneficial owner of Australian Patent No. 2621, dated 28th February, 1905, for—

"An improved process of producing cream of tartar,"

is prepared to satisfy all reasonable requirements of the public respecting said invention.

Applications in regard to the exploitation, manufacture, or licence addressed to **EDWARD WATERS AND SONS, Patent Attorneys, Nos. 414-418 Collins Street, Melbourne,** will receive immediate attention.

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VOL. 8.] 25TH FEBRUARY, 1908. [No. 7.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICE.

Qualifying Examination for Patent Attorneys.

It is hereby notified that the February Examination of Candidates for registration as Patent Attorneys will be held on 27th and 28th February, 1908, the Time Table for the Examination being as follows:—

Day.	Hour.	Subject.
Thursday, 27th February, 1908	10 a.m.	Patent and Trade Marks Law of the Commonwealth, and the Practice of the Patent Office.
	2 p.m.	The preparation of a Provisional and Complete Specification to be attached to an Application for any kind of invention named by the Board.
Friday, 28th February, 1908	10 a.m.	Patent and Trade Marks Case Law.
	2 p.m.	The Patent and Trade Marks Law and Practice of England and other countries.

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

C.1879.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 13th to 19th February, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 13th February.

10,831. *Prov.* George David WATSON, 183 Hereford-street, Christchurch, N.Z.,

"Improved fence standard."

10,832. *Comp.* Thomas Tilbrook MAIN, 148 Oxford-street, Sydney, N.S.W., and Charles Wesley NANCE, 348 Oxford-street, Paddington, N.S.W., provision merchants,

"A process serviceable with apparatus in the treatment of certain edible substances to arrest decay."

10,833. *Comp.* Charles Wesley NANCE, 348 Oxford-street, Paddington, N.S.W., provision merchant,

"An appliance to be rendered operative by an impellent liquid, for the extraction of air, vapour, gases, and such like."

10,834. *Prov.* George KINGSTONE, Blende-street, Broken Hill, N.S.W., blacksmith and wheel-wright,

"Improvements in sanitary closets and urinal fittings therefor."

10,835. *Prov.* Charles Jersey HEMERY, The Strand Arcade, Auckland, N.Z., indent agent,

"Improvements in or relating to the manufacture of artificial fuel."

10,836. *Prov.* George Edward ANDREW, managing director of The Rosella Preserving Company Proprietary Limited, Cremorne Gardens, Balmain-street, Richmond, Vic. (*assignee of* Sydney Walter LACK, *act. inv.*),

"An improved cover for metal cans for jams and other food stuffs."

10,837. *Prov.* George Franklin CLIFF, 43 Dundas-place, Albert Park, Vic., carpenter (*assignee of* George Henry CLIFF, *act. inv.*),

"An improved construction of window sash and other like frames."

10,838. *Comp.* Ernest MOSS, 183 Hereford-street, Christchurch, Canterbury, N.Z., mechanic,

Application under Sec. 121.

[Date applied for 5th Mar., 1907, being date of application in N.Z., No. 22,510/07.]

"An improved machine for use in stamping and franking letters, telegrams and the like."

Friday, 14th February.

10,839. *Prov.* John Patrick WALLACE, manufacturer, and Ernest CLARK, manager, both of 35 James-street, Windsor, Vic.,

"Improvements in the manufacture of valve seats of pneumatic cycle tubes, bladders and the like."

10,840. *Comp.* Arthur James HANSON, 33 York-street, Sydney, N.S.W., electrical engineer,

"Improvements in electrically heated appliances."

10,841. *Prov.* William RULE, 18 Caledonian-avenue, Maylands, W.A., traveller,

"Eccentric cam lift gear for windmills."

10,842. *Comp.* BRITISH AUTOMATIC AERATORS LIMITED, 22 to 26 Paul-street,

Applications received, 13th to 19th February—*continued.*

Finsbury, London, Eng., manufacturers (*assignee of* Hubert Pearce, *act. inv.*), Stanstead Abbets, near Ware, Hertfordshire, Eng., engineer),

"Improvements in or relating to self-contained aerating machines."

10,843. *Prov.* Henrietta Pye Serjeant, 32 Collins-street, Melbourne, Vic., journalist,

"Improvements in mattresses and their arrangement on bedsteads for patients sick persons or invalids and for surgical purposes."

10,844. *Prov.* Richard Coates, 74 James-street, Perth, W.A., rubber-stamp maker,

"An improved inner sole for boots or shoes."

10,845. *Prov.* Patrick Louis Harkin, 12 Princes-street, Fitzroy, Vic., engineer,

"Improvements in milking machines."

Saturday, 15th February.

10,846. *Prov.* Eli Howarth, Hope-street, Spotswood, Vic., pattern-maker,

"An improved inside fish-plate for railways which will enable the wheels of rolling stock to pass the expansion joint at junction of rails without jolt."

Monday, 17th February.

10,847. *Comp.* Richard Francis Marsh, East Maitland, N.S.W., manufacturer,

"An improved spring mattress."

10,848. *Prov.* James Budge, 209 to 215 Harris-street, Pyrmont, N.S.W., engineer,

"Improvements in the churn for the manufacture of butter."

10,849. *Prov.* Howard Ellis, 16 Brunswick-street, East Melbourne, Vic., engineer,

"A gun and rifle sight which automatically gives the range corrected to windage a moving or uneven base."

10,850. *Prov.* William Evan Downing, Henna-street, Warrnambool, Vic., engineer,

"Improvements in and relating to bore or drilled well pumps."

10,851. *Prov.* Nicholas Herbert Throsby, Pitt-street, North Sydney, N.S.W., company manager,

"Milk and cream cooler and attemperator."

10,852. *Prov.* John Close, McClelland-place, Sydney, N.S.W., engineer,

"An improved street sweeping machine."

10,853. *Prov.* James Sinclair, Medlow Bath, Blue Mountains, N.S.W., carpenter and joiner,

"Improvements in writing pads."

10,854. *Comp.* John Eckersley, *act. inv.*, and Thomas Hodkinson, *assignee*, both of 646 King-street, Newtown, N.S.W., engineers,

"Improvements in hand and power washing machines."

Tuesday, 18th February.

10,855. *Prov.* Edward Meyers, 249 Adderley-street, West Melbourne, Vic., hawker,

"An accident sachet for wounds, cuts and burns."

10,856. *Prov.* Peter Ebner Ralph Edwards, Beverley, W.A., civil servant,

"Flint and steel sparking arrangement for gas and other similar engines."

10,857. *Prov.* Ernest Hornby, 53 Rowena-parade, Richmond, Vic., plumber,

"Floor polisher wall and window cleaner."

10,858. *Prov.* Charles Henry Noller, Denham-street, jeweller, and Patrick Edward O'Reilly, William-street, licensed victualler, both in Rockhampton, Qld.,

"A fluid for destroying prickly pear and other noxious plants."

10,859. *Prov.* Ernest Hillman, 18 Norwood-street, Petersham, N.S.W., and Thomas Dark Chapman, Kenneth-street, Longueville, N.S.W., engineers,

"An improved automatic starter for power engines."

10,860. *Comp.* William Hooker, 14 Mowbray-street, Albert Park, Vic., gas engineer,

"An improved primary electrical battery."

Applications received, 13th to 19th February—*continued.*

10,861. *Prov.* John Fraser McDonald, Miram Post Office, Vic., farm labourer,

"An improved appliance for making rope from refuse binder twine and such like."

10,862. *Prov.* Zaccheus Burton, Palmerston-street, Sale, Vic., contractor and mechanic,

"An improved striking plate box, for drawback rim locks and the like."

Wednesday, 19th February.

10,863. *Comp.* William Cochrane, 26 Clarges-street, Piccadilly, London, W., Eng., mechanical engineer,

"Improvements in propellers for ships, and boats and flying machines."

10,864. *Comp.* William Cutler, 10 Wheeleys-road, Edgbaston, Birmingham, Warwickshire, Eng., manufacturer,

"Improvements in the mode of and means for manually propelling boats and steering."

10,865. *Prov.* Robert B. Jenkins, engineer, and Charles Booley Keene, station manager, both of Gurley Station T.P.O. No. 2 N. West, N.S.W.

"Machinery for applying power to a wool, hay, cotton or any similar presses."

10,866. *Comp.* Alexander Aberdeen Blackman, Neutral Bay, N.S.W., mining engineer (*assignee of* Henry Phillips, *act. inv.*, 385 Riley-street, Sydney, N.S.W., mechanic),

"Improvements in and connected with steam generators."

10,867. *Prov.* Joseph Bartlett Davies, 330 Flinders-lane, Melbourne, Vic., accountant, and Harcourt Bell, 13 Sturt-street, South Melbourne, Vic., engineer,

"Improvements in a machine for the manufacture of nails having enlarged or extended heads."

10,868. *Comp.* George Ridgway, Great Boulder Proprietary Gold Mine, Kalgoorlie, W.A., mining engineer,

Application under Sec. 85, additional to 5329/06.

"Improvements in filtering machines."

10,869. *Prov.* William Henry Pilkington, Mount Eccles, *viâ* Leongatha, Vic., grazier,

"An improved press for wool skins and the like."

10,870. *Comp.* Carl Gustaf Patrik de Laval, Kungstradgardsgatan 2 C, Stockholm, Sweden, doctor of philosophy,

"New or improved method of extracting iron and apparatus therefor."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

8865. Morgan, W. J. P.
Block system of mensuration.

10,267. Bulkeley, J. E., and Heyward, C. W.

10,511. Herkes, J. G.

1908.

10,599. Emerson, J. S., and Bergin, E. J.
An improved wire strainer.

10,604. Hale, W.

10,610. Small, G. H., & Gibbins, G.

10,612. Benn, B. W.

10,613. Counsell, F. H.

10,614. Silver, W.

10,616. Wigmore, F. J.

10,617. Froggatt, J., & Stacey, C.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8471. George William Green, Lion's Lair, Woy Woy, N.S.W., carpenter,

"Improvements in machines for harvesting sugar cane." 14th Feb., 1908.

8718. Alexander Bonnet, 55 Greville-street, Prahran, Vic., electro-metallurgist,

"An improved electrolytic process for the treatment of metalliferous sulphide ores." 17th Feb., 1908.

8818. George Percy Jenkins, Ayr, Qld., factory manager,

"Improvements in means for cooling brine for dairy or other purposes." 17th Feb., 1908.

8819. George Percy Jenkins, Ayr, Qld., factory manager,

"Means for storing cold." 17th Feb., 1908.

8860. Daniel Robert Dossetor, 99 Queen-street, Melbourne, Vic., architect,

"An improved structure for use in playing billiards." 19th Feb., 1908.

8875. Auguste Joseph Francois de Bavay, "Florimel," Gellibrand-street, Kew, Vic., brewer and chemist,

"Improved process for separating parts of the constituents of ores from the remainder thereof." 13th Feb., 1908.

9606. Wilfred Harcourt Phillipps, clerk, and William Garstin Lucas, architect, both of the Union Bank of Australia Limited, Perth, W.A.,

"Vehicle brake." 18th Feb., 1908.

9625. Frederick Jurss, Mary-street, Queenton, Charters Towers, Qld., miner,

"Safety hooks for man trucks." 19th Feb., 1908.

9715. Thomas Ilett, Warrion, Vic., grazier,

"Improvements in mechanism for raising cloths from coppers, and loading and unloading in some other applications." 14th Feb., 1908.

10,463. Walter Saunders, 179 Victoria-street, West Melbourne, Vic., engineer,

"Improvement in combination knife-cleaner and sharpener." 18th Feb., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8445. Weickhardt, C. C.
8449. Penzig, Emma E.
8450. Madeley, O. T.
8454. D'Alton, A. T.
8455. Tait, T.
8459. Cobham, W. S. S., & Oxley, H. H.
8461. Osterberg, J. R.
8462. Damyon, F. J., & Stephen, A. H.
8463. Hillman, E.
8467. Vize, F. P.
8470. Maitland-Gibson, K.
8472. Jones, O. H.
8474. Mirfin, G. (Mirfin, A.)
8475. Caught, J. N.
8476. Clark, E.
8477. Johnson, H. H., & Moin, E.
8480. Lang, J.
8481. Magnus, P.
8482. Salisbury, J.
8483. Sainsbury, R., & Williams, G.
8486. Brabham, R. M.
8487. Brabham, R. M.
8490. Mitchell, J. M.
8491. Howcroft, W. J.

Applications Abandoned, Withdrawn, &c.

1907.

8740. *Comp.* (*Refused.*) James Walker TATTERSFIELD, Great North-road, near Auckland, N.Z., importer,

"A window blind made of parchment or paper."

Assignments Registered.

1904.

1143. "Improvements in machines for bottling carbonated beverages and liquids under pressure."

Assignment of the whole *by* THE CROWN CORPORATION LIMITED (IN LIQUIDATION) and Charles MASON *to*

MAURI BROTHERS & THOMSON LIMITED. Dated 21st Dec., 1907. Registered 15th Feb., 1908.

1905.

3675. "Portable apparatus for obtaining meat extract."

Assignment of one-quarter share or interest *by* Brainard CLARK *to*

Frederick Benjamin HOUGHTON. Dated 31st Jan., 1907. Registered 19th Feb., 1908.

3675. "Portable apparatus for obtaining meat extract."

Assignment of one-half share or interest *by* Brainard CLARK *to*

William Alexander GIBB. Dated 30th Jan., 1907. Registered 19th Feb., 1908.

1906.

7643. "Improvements in and connected with ships' progress indicators."

Assignment of the whole *by* George Garibaldi TURRI *to*

Thomas WHITTLE. Dated 7th Feb., 1908. Registered 13th Feb., 1908.

1907.

8318. "The manufacture of an improved insulating material."

Assignment of the whole *by* Alfred VOGELGESANG *to*

James CONNOLLY. Dated 12th July, 1907. Registered 14th Feb., 1908.

Licence Registered.

1906.

6943. "An improved process for removing sulphur arsenic and other like impurities from refractory ores and preparing the same for subsequent treatment."

Full and exclusive licence for the term of ten years from 16th Nov., 1906, *granted by* Frank COTTON *to*

Alfred Rolph GREGORY and Gordon George JOHNSTON. Dated 16th Nov., 1906. Registered 12th Feb., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8093. Snowden, C. W.
8104. Baronio, A. C. (Muirhead & Baronio)
8249. Hutchinson, G. F.
8357. Jeffrey, A., & Keane, J. V.
8370. Benjafield, H.
8547. Murray, F. H.
8685. McLeod, A.
8693. Dick, R. E.
8863. Friend, H. P.
8916.*Richardson, F. A., & McCarthy, G. P. J.
9110. Yeiser, L. A.
9378. Smith, C. A. & A. R., Brown, J. C., and Wills, A. H.
9412.*Boll, P., & Falkiner, R.
9745. Butcher, S.
9821. Lawrence, W. H., & Kennedy, R. (Burrell)
9840. Little, D.
9880. Howcroft, W. J.
9956.*Waters, E. N. (Stilwell)
9993.*Myers, C. H., & Marvin, P. L.
10,008. Marshall, R. J.
10,009. Maloney, J. P., Chisholm, H., & Sutherland, B.
10,015. J. S. Bagshaw & Sons Ld. (Bagshaw)
10,041. Couston, J.
10,053. Brown, W. H.
10,054. Suggate, C., & Cayley-Alexander, W. E.
10,056. Chavanne, I. A., & Ollagnier, B.
10,111. Basch, Rose & S.
10,129. Coates, O.
10,134. Graaff, W.
10,135. Graaff, W.
10,136. Graaff, W.
10,137. Graaff, W.
10,138. Graaff, W.
10,139. Graaff, W.
10,143. Graaff, W.
10,183. Jones, C. G. & D. E. A., & Stevens, J. G.
10,191. Phillips, E. (Sweetland)
10,200. Curtis, H. P.
10,208. Paulo, G.
10,227. Simm, W. & H.
10,237. Moss, W. E.
10,281. Brydon, W., & Brennan, F.
10,299. Cowper-Coles, S. O.
10,314. Smith, B. S.
10,315. Crossley, W. J., & Rigby, T.
10,454. Keene, J. F., & Graham, W. D.
10,540. Simpson, W. S.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8916. Frank Adolphus Richardson, *assignee*, station overseer, and George Patrick John McCarthy, *act. inv.*, bicycle agent, both of Honeybugle Station, *viâ* Nyngan, N.S.W.,

"Improved apparatus for ejecting pasty material specially adapted for distributing poisoned baits."

9412. Paul Boll, *act. inv.*, Crassy-street, Deniliquin, N.S.W., electrical and mechanical engineer, and Ralph Falkiner, *assignee*, Moonbria, N.S.W., pastoralist,

"Improved mechanism for driving sheep shearing machines."

9956. Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Union Bag and Paper Company, 15 Exchange-place, Jersey, Hudson, U.S.A., and 17 Battery-place, New York, U.S.A., manufacturers, *assignees of* Charles Boughton Stilwell, *act. inv.*, 802 Witherspoon Building, Philadelphia, Penn., U.S.A., mechanical engineer),

"Improvement in bag bottoming machine."

9993. Charles Henry Myers, inventor, *act. inv.*, 172 Edward-street, and Percy Lockwood Marvin, capitalist, *assignee*, 450 Richmond-avenue, both in Buffalo, Erie, New York, U.S.A.,

"Wrench."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.8	Oil jacketed still for estimating moisture in wool. (37.6) ...	McLeod	C.a.P. 8685

Group 02.—Dynamo Electric Machinery.

02.3	Hanging motor with flexible shaft for sheep shears. (37.6; 62.8) ...	Boll	C.a.P. 9412

Group 05.—Telegraphy and Telephony.

05.2	Ribbon transmitter, &c.; 3 rows of perforations using extra voltage	Muirhead	8104

Group 06.—Electric Lamps.

06.8	Portable wheeled furnaces and connexions; electrode-slab walls and incandescent bed. (08.2; 15.6; 16.2)	Simm	10,227

Group 07.—Electrolysis and Batteries.

07.6	Depositing compact iron on revolving cathodes, with iron oxide suspended in electrolyte. (Section 121)	Cowper-Coles	10,299

Group 08.—Mineral Chemistry.

08.2	Zinc oxide plant; electric furnaces and condenser. (06.8; 15.6; 16.2)	Simm	10,227

Group 10.—Crushing and Grinding.

10.7	Chaff cutters; serrated surface for adjusting upper comb guard ...	Bagshaw	10,015

Group 11.—Mech. and Elec. Separation.

11.3	Inclined sieve and shoots for sizing crushed clay material. (19.4) ...	Butcher	9745
11.3	Flour bolting; openwork drums; gauze covering, tension clamps, &c. (34.3)	Chavanne	10,056

Group 12.—Hyd. and Pneu. Separation.

12.1	Fixed washing table; central and lateral spray, wells, baffles, &c.	Smith	10,314
12.5	Flotation vat; circulation around diagonal partition by air jet, &c.; intermittent discharge by drop bottom	Moss	10,237
12.7	Rocking dry blower; gauze surface between grids; adjustable slope	Curtis	10,200

Group 15.—Metallurgy in Furnaces.

15.6	Fluxing zinc ores on incandescent carbon bed; collection of oxide as fumes. (06.8; 08.2; 16.2)	Simm	10,227

Complete Specifications Accepted—*continued.*

Group 16.—Furnaces.

16.2	Retort furnaces; cylindrical and triangular retorts. (16.30; 16.37; 17.3)	Suggate	10,054
16.2	Louvred condensing chamber for zinc oxide. (06.8; 08.2; 15.6)	Simm	10,227
16.30	Gas producers with ore-shower and retort furnaces in cycle. (16.2; 16.37; 17.3)	Suggate	10,054
16.30	Upward combustion gas producers; feeding devices, &c. (16.8; 21.2)	Crossley	10,315
16.37	Ore shower furnace using triangular retorts as baffle-shelves. (16.2; 16.30; 17.3)	Suggate	10,054
16.8	Piston or rotary feeder; shaking fire bars in gas producer. (16.30; 21.2)	Crossley	10,315

Group 17.—Chimneys, Fumes, Smoke.

17.1	Inlet slide for mine air pipes. (85.9)	Little	C.a.P. 9840
17.3	Air-heating flues in cycle of gas producers and ore furnaces. (16.2; 16.30; 16.37)	Suggate	10,054
17.3	Lamp and coil for heating glue-paint sprayer. (25.4; 68.9; 79.4; 80.9)	Graaff	10,137
17.4	U-tube with baffles and damper for recovering paint spray. (68.9; 79.4)	Graaff	10,138
17.4	Settling chamber with large mid-section for purifying paint blast (68.9; 79.4)	Graaff	10,139
17.7	Spraying salt water and kerosene into fire box to prevent smoke; door operated; 3 designs. (68.9)	Brydon	10,281

Group 19.—Glass and Ceramics.

19.4	Inclined sieve and shoots for sizing crushed clay material. (11.3) ...	Butcher	9745

Group 20.—Solid and Liquid Fuel.

20.8	Splitting firewood by X-dropper; crank and link gearing. (80.1) ...	Snowden	C.a.P. 8093

Group 21.—Gas for Light and Heat.

21.2	Separating flaming zone from high temperature zone; connexions by by-pass flue. (16.30; 16.8)	Crossley	10,315

Group 25. Washing; Cleaning; Brushes.

25.4	Water bath for heating glue or glue paint sprayer. (17.3; 68.9; 79.4; 80.9)	Graaff	10,137

Group 28.—Distillation and Filtration.

28.1	Filter press for slimes; for high pressures, with alternating vacuum	Sweetland	10,191

Group 30.—Ploughing.

30.3	Shares for hard ground; two or more points	Benjafield	C.a.P. 8370

Group 31.—Cultivation.

31.5	Seed pickling; tank, liquor pump; cup belt; draining trommel, &c.	Dick	C.a.P. 8693

Group 33.—Tropiculture.

33.1	Three-wheeled cane cutter; leaf stripping and topping; rotating choppers; collectors, &c. (59.7)	Howcroft	9880

Complete Specifications Accepted—*continued.*

Group 34.—Cereals, Vegetables, Fruit.

34.2	Calf food; rice, soda, sugar, blood, &c.; suspended in milk and hot water. (37.1)	Keene	C.a.P.	10,454
34.3	Flour bolting; openwork drums; gauze covering, tension clamps, &c. (11.3)	Chavanne		10,056

Group 36.—Dairy Food.

36.1	Exhausting air tubes for milking, &c., by duplex pulsating water ram. (69.4)	Hutchinson	CaP.	8249
36.1	Motor pulsator; valves operated by spring motor, &c. (65.4) ...	Burrell		9821

Group 37.—Pastoral.

37.1	Lever cauterizer for tailing lambs; castrating tweezers. (87.4) ...	Smith	C.a.P.	9378
37.1	Portable wire hurdles; drive posts and bracket stays. (81.8) ...	Marshall		10,008
37.1	Calf food; rice, soda, sugar, blood, &c.; suspended in milk and hot water. (34.2)	Keene	C.a.P.	10,454
37.6	Oil jacketed still for estimating moisture in wool. (00.8) ...	McLeod	C.a.P.	8685
37.6.	Hanging motor with flexible shaft for sheep shears. (02.3; 62.8)	Boll	C.a.P.	9412

Group 38.—Fowling; Fishing; Trapping.

38.9	Bait planting; cylinder and plunger strapped to operator's leg ...	Richardson		8916

Group 43.—Wearing Apparel.

43.9	Attachment for jewel heads on pins; split wire and wedge. (75.7)...	Friend	C.a.P.	8863
43.9	Safety hooks and eyes; central spring catch; extra sewing loop. (58.4)	Yeiser		9110

Group 48.—Paper; Bookbinding.

48.5	Suction turret machine for folding bottoms of paper bags ...	Stilwell		9956

Group 54.—Commerce.

54.1	Station indicators; changed by linkage from treadle rail. (96.2) ...	Maloney		10,009

Group 58.—Chains, Ropes, Wire.

58.4	Safety hooks and eyes; central spring catch; extra sewing loop. (43.9)	Yeiser		9110

Group 59.—Conveying and Lifting.

59.7	Reciprocating creeper in cane harvester. (33.1)	Howcroft		9880

Group 62.—Power Storage.

62.8	Couplings and elbow joints for sheep shearing flexible shafting. (02.3; 37.6)	Boll	C.a.P.	9412

Group 65.—Reciprocating Motors.

65.4	Milking motor pulsator; valves operated by clock and governor, or electro-magnets. (36.1)	Burrell		9821

Complete Specifications Accepted—*continued.*

Group 68.—Pumps for Liquids.

68.9	Paint sprayer; vertical drip pipe over air blast; coupled valves. (79.4)	Graaff	10,134
68.9	Paint sprayer; changeable hopper over horizontal blast; coupled valves. (79.4)	Graaff	10,135
68.9	Paint sprayer; parallel nozzles changeable without varying valve adjustments. (79.4)	Graaff	10,136
68.9	Glue or glue-paint sprayer; water bath and hot blast. (17.3; 25.4; 79.4; 80.9)	Graaff	10,137
68.9	U-tube with baffles and damper for recovering paint spray. (17.4; 79.4)	Graaff	10,138
68.9	Settling chamber with large mid-section, for purifying paint blast. (17.4; 79.4)	Graaff	10,139
68.9	Portable paint spraying barrow; hand pump; detachable vessels. (69.4; 79.4)	Graaff	10,143
68.9	Furnace spraying by flush tank, syringe or steam chamber. (17.7)...	Brydon	10,281

Group 69.—Blowers and Compressors.

69.4	Duplex pulsating water ram; for exhausting air tubes for milking, &c. (36.1)	Hutchinson	C.a.P. 8249
69.4	Single-acting hand-lever air pump, with paint receptacle for spraying. (68.9; 79.4)	Graaff	10,143

Group 70.—Casting and Stamping.

70.2	Jointing heterogeneous metals by "burning" in carbon mould ...	Simpson	10,540

Group 72.—Turning; Milling; Fitting.

72.1	Reversible ratchet-wrench for fish bolts, &c. (98.1)	Myers	9993

Group 74.—Pipes and Fittings.

74.5	Toggle expanded frames for aligning large socket pipes during jointing	Couston	10,041

Group 75.—Abrading and Polishing.

75.7	Attachment for jewel heads on pins; split wire and wedge. (43.9)	Friend	C.a.P. 8863

Group 79.—Paints, Adhesives, &c.

79.4	Paint sprayer; vertical drip-pipe over air blast; coupled valves. (68.9)	Graaff	10,134
79.4	Paint sprayer; changeable hopper over horizontal blast; coupled valves. (68.9)	Graaff	10,135
79.4	Paint sprayer; parallel nozzles changeable without varying valve adjustments. (68.9)	Graaff	10,136
79.4	Glue or glue-paint sprayer; water bath and hot blast. (17.3; 25.4; 68.9; 80.9)	Graaff	10,137
79.4	U-tube with baffles and damper for recovering paint spray. (17.4; 68.9)	Graaff	10,138
79.4	Settling chamber with large mid-section, for purifying paint blast. (17.4; 68.9)	Graaff	10,139
79.4	Portable paint spraying barrow; hand pump; detachable vessels. (68.9; 69.4)	Graaff	10,143

Group 80.—Carpentry.

80.1	Splitting firewood by X-dropper; crank and link gearing. (20.8) ...	Snowden	C.a.P. 8093
80.9	Water bath for heating glue or glue-paint sprayer. (17.3; 25.4; 68.9; 79.4)	Graaff	10,137

Complete Specifications Accepted—*continued.*

Group 81.—Buildings, Streets, Fencing.

81.2	Hoop iron or net bonds bedded in concrete columns for attaching face work	Brown	10,053
81.7	Edge jointed channel bars with cover plates, in metal structures. (81.7; 82.6)	Jeffrey	C.a.P. 8357
81.8	Duplex hinged dropper for locking the wires in the notches ...	Murray	C.a.P. 8547
81.8	Portable wire hurdles; drive posts and bracket stays. (37.1) ...	Marshall	10,008

Group 82.—Harbours, Foundations.

82.6	Interlocked channel bars for sheet piling. (81.7; 91.2) ...	Jeffrey	C.a.P. 8357

Group 85.—Mining.

85.9	Exhaust pipe system for mine ventilation. (17.1)	Little	C.a.P. 9840

Group 87.—Medicine.

87.4	Lever cauterizer for tailing lambs; castrating tweezers. (37.1)...	Smith	C.a.P. 9378

Group 91.—Ship Building.

91.2	Edge-jointed channel bars with cover plates, in ship building. (81.7; 82.6)	Jeffrey	C.a.P. 8357

Group 93.—Road Vehicles.

93.3	Wheel-lock; connecting back and front wheels by double-ended tongs	Paulo	10,208

Group 96.—Rolling Stock.

96.2	Station indicators; changed by linkage from treadle rail. (54.1)...	Maloney	10,009

Group 97.—Wheels.

97.81	Cushion tyre; felt with embedded rubber, and outer tread layer. (97.89)	Basch	10,111
97.87	Brown sugar, starch, and water boiled together	Jones	10,183
97.89	Chain armour partly bedded in tread of cushion tyre. (97.81) ...	Basch	10,111

Group 98.—Permanent Way.

98.1	Reversible ratchet-wrench for fish bolts, &c. (72.1)	Myers	9993
98.2	Moving facing points by deep-flanged pilot wheel operated from the car	Coates	10,129

Complete Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,650. MAX ROSENTHAL, 24 Michaelkirchplatz, Berlin, S.O.16, Germany, merchant.

Application under Sec. 121.

[Date applied for 21st Feb., 1907, being date of application in Germany, No. 63,559/07.]

"Heating apparatus especially adapted for heating rooms."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1905.

4539. Aktiebolaget Separator (Ljungström). *Centrifugal separators.* Class 36.6.
4804. C. Tait. *Improved wrapper.* Class 49.3.
4812. F. Blau. *Incandescent lamp.* Class 06.4.
4813. F. Blau. *Lamp filaments.* Class 06.4.
4848. H. S. Jones (Kyle). *Preventing the decomposition of fish.* Classes 29.7; 35.9.
4850. J. Mees. *Liniment.* Class 87.1.
4852. Kelly and Bentham. *Photographic dry plates.* Class 52.4.
4857. W. R. Reid. *Cleaning wheat.* Class 34.3.
4892. C. H. O'Brien. *Purifying acetylene.* Class 21.5.
4902. H. P. Keogh (MacIvor). *Treatment of zinc ores.* Classes 14.1; 15.2.
4917. J. Turton. *Extraction of metals.* Class 14.5.

1906.

7492. G. R. and O. F. Gordon. *Manure.* Classes 31.7; 38.5.
7527. G. C. Chadwick. *Loading coals from vessels.* Classes 59.9; 84.6; 91.8.
7622. Holmes and Allen. *Trolley heads.* Classes 03.4; 60.9.
7687. R. Stanley. *Crushing and treating ores.* Classes 11.3; 11.9; 60.2.

1907.

7768. Aivaz and Kurkiewicz. *Cigarette machines.* Classes 33.4; 60.3.
7872. L. Gaumont. *Combined cinematographs and phonographs.* Classes 00.1; 01.7; 02.3; 04.7; 53.4.
7947. H. A. Kaysan. *Nozzles for syringes.* Class 87.2.
7982. A. F. Pritchard. *Non-conducting ceilings.* Classes 01.1; 46.5; 81.6.
8008. J. H. LeGarde. *Harvester beaters.* Classes 32.3; 32.6.
8023. F. D. Miller. *Boot soles.* Classes 44.3; 97.80.
8091. E. Coulson. *Implements for land clearing.* Classes 30.2; 37.8.
8121. Aktiebolaget Separator (B. & F. Ljungström). *Milking machines.* Classes 36.1; 68.3; 74.5.

Printed Specifications Published—*continued.*

1907.

8231. International Sand-Blast Company (Kelly). *Sand-blast apparatus.* Classes 74.9; 75.9.
8315. R. C. Annand. *Curved stereotype plates.* Classes 50.2; 70.2.
8318. A. Vogelgesang. *Insulating material.* Classes 03.2; 47.5; 79.6.
8395. A. Fischer. *Quick-heating water vessel.* Class 24.5.
8405. Young and Kerr. *Issuing tickets.* Class 54.2.
8424. J. P. Cusack. *Surgical operating tables.* Classes 45.2; 87.4.
8430. F. H. Bonham (Grothkarst). *Revolving doors.* Classes 60.8; 78.5; 78.9; 81.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1904.	*10th February, 1908.*			
717*	1 June	T. F. Sheridan	U.S.A.	Concentrating tables	189/05

* Under Sec. 29. Renewal fee due 1st June, 1911.

	1906.				
7107	10 Oct.	F. W. Petersen	N.S.W.	Rabbit destruction ...	406
7171	19 Oct.	A. G. Howland	N.Z.	Window fasteners ...	554
	1907.				
8612	30 Apr.	N. Pavia and G. Casalis ...	Italy	Railway couplings ...	237
8699	14 May	E. Steele	Germany	Explosives	267
8729	16 May	T. Gare	Eng.	Indiarubber goods ...	279
8780	22 May	A. O. Watts	Canada	Weighing apparatus ...	281
8927	10 June	T. J. McBride	N.Z.	Resilient vehicle wheels ...	333
	1906.	*12th February, 1908.*			
7159	16 Oct.	G. H. Pearson	Eng.	Removal of boiler deposit...	542
	1907.				
7754	9 Jan.	J. W. Barber (Kirkpatrick)	U.S.A.	Packing, &c., goods ...	8
7842	22 Jan.	T. H. Neill and R. A. C. Watson	W.A.	Binder platforms buckling...	41
8099	25 Feb.	H. A. Adams (Nicholson)	Vic.	Filing invoices, &c. ...	299
8563	25 Apr.	L. D. Ewing	U.S.A.	Fire-proof walls &c. ...	234
		13th February, 1908.			
7900	30 Jan.	J. K. Stewart	U.S.A.	Animal shears	52
8684	9 May	A. J. L. Eckersley & J. Sheehan	Vic.	Jointing bottle tops ...	266
8708	15 May	A. L. Christenson ...	Sweden	Separating milk ...	268
8711	15 May	Colt Gun & Carriage Co. Ld. (North)	Eng.	Automatic guns	268
8743	20 May	J. McK. Sutherland ...	N.S.W.	Posts	279
8754	21 May	J. Pender	Vic.	Horse-shoes	280
8755	21 May	A. Petersson	Sweden	Electric furnaces ...	280
8756	21 May	A. Petersson	Sweden	Carbide from lime & carbon	280
8786	23 May	W. A. Hendryx	U.S.A.	Filtering apparatus ...	294
8802	24 May	C. Brent	U.S.A.	Extinguishing fire ...	295
8965	13 June	F. M. Ashley	U.S.A.	Inkstands	352

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin	Abbreviated Title.	Page.
	1906.	*14th February, 1908.*			
6957	19 Sept.	J. H. & J. D. Muir ...	Vic.	Safety door for lifts, &c. ...	443
7347	13 Nov.	R. Harkin	W.A.	Filter press taps ...	581
7382	19 Nov.	G. B. B. Elliott ...	Vic.	Mineral disintegrators ...	494
	1907.				
7772	14 Jan.	B. F. H. Dawson ...	S. Af.	Candle protector ...	653
7808	16 Jan.	J. Gascard & R. Shimmen	Vic.	Grading potatoes, &c. ...	389
8269	20 Mar.	J. E. Ephraim	N.S.W.	Acetylene gas generator ...	155
8903	6 June	W. H. Lawrence & R. Kennedy	Scot.	Suction milking	332
9060	26 June	J. H. Hewitt & J. Walker	Eng.	Clamping devices ...	370
	1906.	*15th February, 1908.*			
7157	16 Oct.	P. J. Martin	Qld.	Trigger hook	427
7497	3 Dec.	E. G. Griffiths (Basedow) ...	S.A.	Extraction of gold, &c. ...	635
	1907.				
8077	22 Feb.	Soc. Anon. per Griglie e Forni Virgili (Virgili)	Italy	Baking	108
8545	24 Apr.	Cecelia Cassel (H. R. Cassel)	Eng.	Filtering slimes	220
	1906.	*17th February, 1908.*			
7147	16 Oct.	A. S. Grenfell	Vic.	Ventilation of mines, &c. ...	542
	1907.				
8043	20 Feb.	F. P. Rudder	Eng.	Furnaces	635
8056	21 Feb.	A. Gillies	Vic.	Pneumatic milkers ...	479
8570	25 Apr.	Parker Clark Elec. Co. (Clark & Parker)	U.S.A.	Electric filaments ...	234

Application in respect of which Complete Specification has been Accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1906.				
7154	16 Oct.	J. D. McConnell ...	Vic.	Skylight	689

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Letters Patent Sealed.

1904.

13,842. 1 Feb. Thomas Con Allen, *communicatee*, 165 Phillip-street, Sydney, N.S.W., patent agent,

"An improved electric system."

Assignments Registered.

1902.

11,976. "An improvement in the art of sealing corking and capsuling bottles."

Assignment of the whole *by* The Crown Corporation Limited (in Liquidation) and Charles Mason *to*

Mauri Brothers & Thomson Limited. Dated 21st Dec., 1907. Registered 15th Feb., 1908.

12,354. "Improvements in bottling and crowning carbonated beverages under pressure."

Assignment of the whole *by* The Crown Corporation Limited (in Liquidation) and Charles Mason *to*

Mauri Brothers & Thomson Limited. Dated 21st Dec., 1907. Registered 15th Feb., 1908.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
18,026 ...	Lintoype Co. Ltd. ...	28th Mar., 1915

Assignments Registered.

1902.

19,985. "Improvements in the extraction of zinc lead and silver sulphides from their ores."

Assignment of the whole *by* Francis Marshall Dickenson *to*

Potter's Sulphide Ore Treatment Limited. Dated 19th Dec., 1907. Registered 15th Feb., 1908.

1904.

21,308. "Improvements in or connected with paving blocks and vulcanizing and preserving timber."

Assignment of the whole *by* William Powell, by direction of The Powell Wood Process Syndicate Limited *to*

Westralian Powell Wood Process Limited. Dated 31st May, 1906. Registered 19th Feb., 1908.

Licences Registered.

1896.

13,026. "Improved mechanism for interlocking the levers used for actuating railway and other gates and stops."

Licence *by* McKenzie and Holland Limited *to*

The Victorian Railways Commissioners and The Board of Land and Works, for the latter to manufacture use and enjoy the invention for the full term of the Letters Patent in connexion with the railways of the State of Victoria now or hereafter to be vested in the licensees and in connexion with any railways or tramways now or hereafter to be vested or leased by or over which the licensees or anybody or person on behalf of His Majesty's Government of Victoria may for the time being have running powers and also to repair the subject of the invention. Dated 24th Dec., 1907. Registered 19th Feb., 1908.

Victoria—*continued.*

Licences Registered—*continued.*

13,327. "An improved lamp and target for point indicating disc signals for railway and tramway purposes."

Licence *by* McKenzie and Holland Limited *to*

The Victorian Railways Commissioners and The Board of Land and Works, for the latter to manufacture use and enjoy the invention for the full term of the Letters Patent in connexion with the railways of the State of Victoria now or hereafter to be vested in the licensees and in connexion with any railways or tramways now or hereafter to be vested or leased by or over which the licensees or anybody or person on behalf of His Majesty's Government of Victoria may for the time being have running powers and also to repair the subject of the invention. Dated 24th Dec., 1907. Registered 19th Feb., 1908.

1897.

14,217. "Improved means for actuating and locking plunger bolts used to secure railway points signals and their levers."

Licence *by* McKenzie and Holland Limited *to*

The Victorian Railways Commissioners and The Board of Land and Works, for the latter to manufacture use and enjoy the invention for the full term of the Letters Patent in connexion with the railways of the State of Victoria now or hereafter to be vested in the licensees and in connexion with any railways or tramways now or hereafter to be vested or leased by or over which the licensees or anybody or person on behalf of His Majesty's Government of Victoria may for the time being have running powers and also to repair the subject of the invention. Dated 24th Dec., 1907. Registered 19th Feb., 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1896.

No.	Name.	Paid up to–
3300 ...	Maypole Co. 1899 Ltd.	27th Mar., 1909

1900.

5343 ...	Nielsen, L. C., and Petersen, P. V. F.	13th Jan., 1914
5386 ...	Perkins, R., and Dixon, R. J.	19th Feb., 1909

1901.

5866 ...	Sloane, T. W., and Noakes, G.	28th Jan., 1909

1904.

7680 ...	Flameless Gas Light Co. Ltd.	19th Mar., 1912

Assignment Registered.

1904.

7655. "Improvements in or connected with paving blocks and vulcanizing and preserving timber."

Assignment of the whole *by* William Powell by direction of The Powell Wood Process Syndicate Limited *to*

Westralian Powell Wood Process Limited. Dated 31st May, 1906. Registered 19th Feb., 1908.

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
6940/5166 ...	Linotype Co. Ltd.	11th Feb., 1915

Assignment Registered.

1904.

8850/6444. "Improvements in or connected with paving blocks and vulcanizing and preserving timber."

Assignment of the whole *by* William Powell by direction of The Powell Wood Process Syndicate Limited *to*

Westralian Powell Wood Process Limited. Dated 31st May, 1906. Registered 19th Feb., 1908.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1900.

No.	Name.	Paid up to—
3153 ...	Nicholas, A. M. ...	17th Oct., 1914

1901.

3310 ...	Linotype Co. Ltd. ...	19th Feb., 1915

1904.

4830 ...	Flameless Gas Light Co. Ltd.	13th Mar., 1911

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
2989	... Linotype Co. Ltd.	... 12th Feb., 1915

Assignment Registered.

1904.

4021. "Improvements in or connected with paving blocks and vulcanizing and preserving timber."

Assignment of the whole *by* William Powell by direction of The Powell Wood Process Syndicate Limited *to*

Westralian Powell Wood Process Limited. Dated 31st May, 1906. Registered 19th Feb., 1908.

GEORGE TOWNSEND,
Commissioner of Patents.

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ADVERTISEMENTS.

NOTICE IS HEREBY GIVEN that RICHARD HARVEY WRIGHT is prepared to satisfy all reasonable requirements of the public with respect to his Australian Patent No. 2857, dated the 29th of March, 1905, for **"Improvements in Packing Machines."**

The invention is particularly applicable for packing cigarettes and for making the packages.

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that VALDEMAR POULSEN is prepared to satisfy all reasonable requirements of the public with respect to the undermentioned Australian Patents, viz.:—

No. 692, dated 1st June, 1904. "Improvements relating to the production of alternating currents."
No. 4432, dated 24th October, 1905. "Improvements in receivers for wireless transmission of signals."
No. 4814, dated 13th December, 1905. "Improvements in receiving systems for wireless transmission of signals."

Applications for exploitation, manufacture, or licence to be addressed to—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

MEMORANDUM.

Advertisements may be inserted in the advertisement pages of this *Journal* on the following conditions :—

All advertisements prior to insertion must be approved by the Commissioner of Patents.

No advertisement shall exceed half-a-page in size.

No advertisement shall be inserted on the cover.

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Advertisements placed opposite the first or contents page will be charged 50 % extra.

The purchaser's handle (not shown) is placed on the squared end **55** of the winding shaft **52**, Fig. 6, and when unlocked is rotated anti-clockwise, and moves the disc **72** (which is geared in multiple ratio to the shaft **2**) until one of several pegs **73, 74, 75**, of different length is blocked in the gap **87** of a fixed bracket; the spring-supported clutch pin **84** then slips in the sleeve **85**, and further motion slews the detent **59** to the dotted position shown at the left of the shaft **53** in Fig. 6, and the main spring **67** returns the shaft to zero when the handle is released. The locking is done by a lever **44**, reaching from right to left, in Fig. 6, with a balance weight **46** at the right which holds its left end up in a notch on the ratchet wheel **51** controlled by the detent **59**.

Under the coin slots **32-35** are releasing levers **11** to **14**, having grooves at one end in which the coins rest, and at the other end pairs of rising links **37** and **41**; any of the links **37** on rising engage the lever **44** and unlock the winding shaft **52**, the other links **41** have cranked extensions, Fig. 6, whose points move across the gap **87** at suitable positions to block the value-determining pegs **73** to **75** on the winding shaft. The lever for the coin of maximum value has no blocking link, so that only three ends are shown opposite the gap **87** in Fig. 6.

After a coin falls on the end of any lever **11** to **14** it is blocked from rolling off into the till by a plate **97**, Fig. 2; when the shaft **52** is wound up the chain **90** is pulled and the bent lever **91** has its flexible arm **94** pulled under the catch **95**, and when the shaft is released, the chain is slackened and the spring **93** momentarily lifts the catch **95** and the plate **97** and allows the coin to roll into the till.

The gas passes through a clack valve in the box **10**, Fig. 2; the valve is normally closed by the spring **111** acting through the slot **107** to rotate the hinge pin **102** of the clack; on winding the shaft **52** a vertical chain **113**, Fig. 6, lifts the right-hand end of the lever **108**, Fig. 2, and the detent **118** falls under it and holds the valve open, until the lowering of the worm **1** depresses the trigger arm **117** and allows the valve again to close.

Although described as applied to a gas meter, the gear may be adapted to the sale of any commodity that may be measured off by the rotation of a delivery shaft such as **123**, and stopped by a valve or its equivalent.

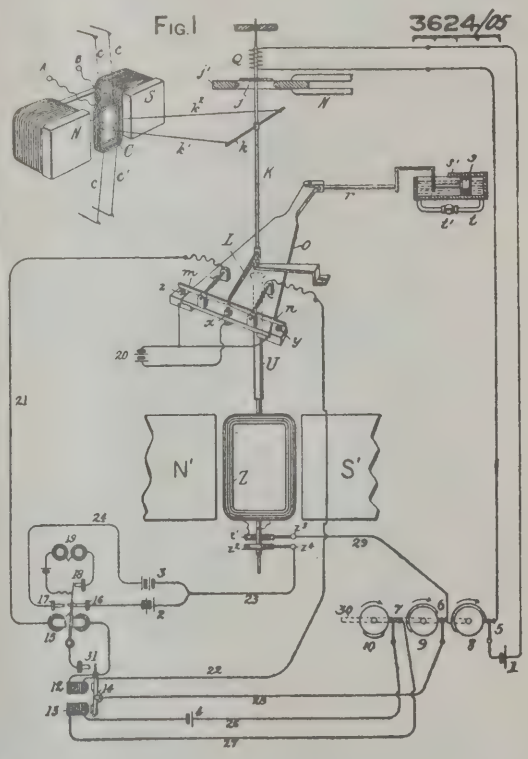
28 *typed pages*, 19 *claims*; 6 *fols. drgs.*, 17 *figs.*

3624. 14 July. STOCKBRIDGE ELECTRIC COMPANY, 1 Exchange-place, Jersey City, U.S.A. (*assignees of* S. D. FIELD, *act. inv.*, Stockbridge, Berkshire, Mass., U.S.A., electrical engineer),

Receiver and relays for cable or wireless signals.

Classes 04.6; 05.2; 05.5.

The moving coil **C** with bifilar suspension is linked by fibres **k1**, **k2** to the vertical shaft **K** of microscopic weight, which is supported by the iron disc **j** in the polarized ring **j1**, and vibrated vertically by rapid pulsations of current in the solenoid **Q**; the vertical motion causes the arm **L** to hit the relay levers **M** or **N** singly or simultaneously according to the deflection of the coil **C** by the minute impulses from a cable or wireless system of telegraphy.



The relay currents from **M** and **N** move the coil **Z** and shaft **U**, which support the frame **O** of the relays **M**, **N**, and (subject to the fluid brake **S**) cause the frame to follow the variations of the mean position of the coil **C**; thus the small oscillations are always received on one or both of the levers **M** or **N** and operate also the less sensitive relay **15** for signal receiving.

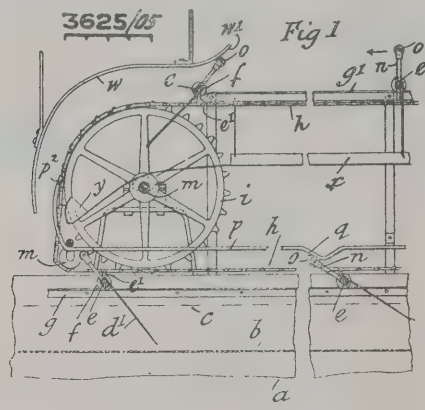
There are three rotary interrupters, 8, 9 and 10, which synchronously rotate the shaft **K** and control the circuits of **Z**, which make about 25 breaks per second.

13 *typed pages*, 21 *claims;* 1 *fol. drg.*, 1 *fig.*

3625. 14 July. T. A. Jones, Ardoch-street, Essendon, Vic., wool scourer,

Wool scouring machine.
Class 25.2.

The wool is carried from left to right along the tank **a** (over the grated bottom **b**) by forks **d1** carried by pairs of endless chains **h** at each side; the forks are retained at a suitable forward inclination by arms **n** with rollers **o** which run against guide rails **p**; at intervals the guides are cranked or curved, as at **q**, to cause the forks to wave and stir the wool in a suitable manner in the liquor.



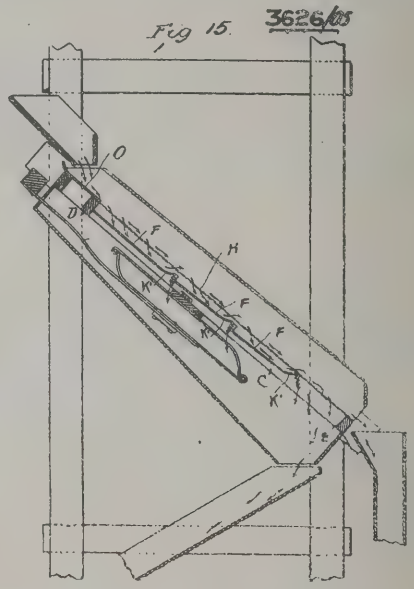
At the entrance a carved guide-bar **w** feathers the fork to enter the wool, and at the exit ramp the guide **p** is bent upward. On the return journey the forks hang over a trough **x**, which collects small pieces of wool.

6 *typed pages*, 11 *claims;* 1 *fol. drg.*, 5 *figs.*

3626. 14 July. Colorado Iron Works Company, Denver, Col., U.S.A., machinery manufacturers (*assignees of* N. V. Fitts and R. P. Atkins, *act. invs.*),

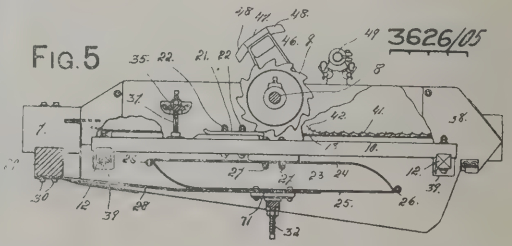
Percussion screens.
Classes 11.3; 11.4; 74.9.

The screens are mounted at a steep slope between posts with suitable shoots, as in Fig. 15; the screen cloth **13**, Fig. 5, is fixed on a secondary frame **10**, **12**, that is supported by plate springs **24**, **25**, resting adjustably on brackets **71** attached to the main inclined beams, and linked against longitudinal motion by the straps **28**; across the main frame is a shaft **8** carrying a pair of toothed cam wheels **9** which depress the screens by rubbing against the wearing plates **21**, with a sudden recoil perpendicular to the screen as each tooth passes.



A water trough **47** with spouts **48** supplies water when required; also a transverse water pipe **49**, rocked by a crank on the shaft **8**, has slotted jets with spring hinged cheeks that open to allow any obstructing matter to pass.

The lower part of the table, Fig. 5, may have a coarser screen above the cloth to break up lumps; several screens may be used in succession one below the other.



In Fig. 15 a plate **F** is used beneath the cloth to throw the water (which passes through the upper part) back against the screen by the upturned guide edges **K1**, as shown by the arrows.

15 *typed pages*, 9 *claims;* 6 *fols. drgs.*, 15 *figs.*

3627. 14 July. MERGENTHALER LINOTYPE Co., Tribune Building, 154 Nassau-street, New York, U.S.A. (*assignees of* F. E. BRIGHT, *act. inv.*, 1814 Spring Garden-street, Philadelphia, Penn., U.S.A., engineer),

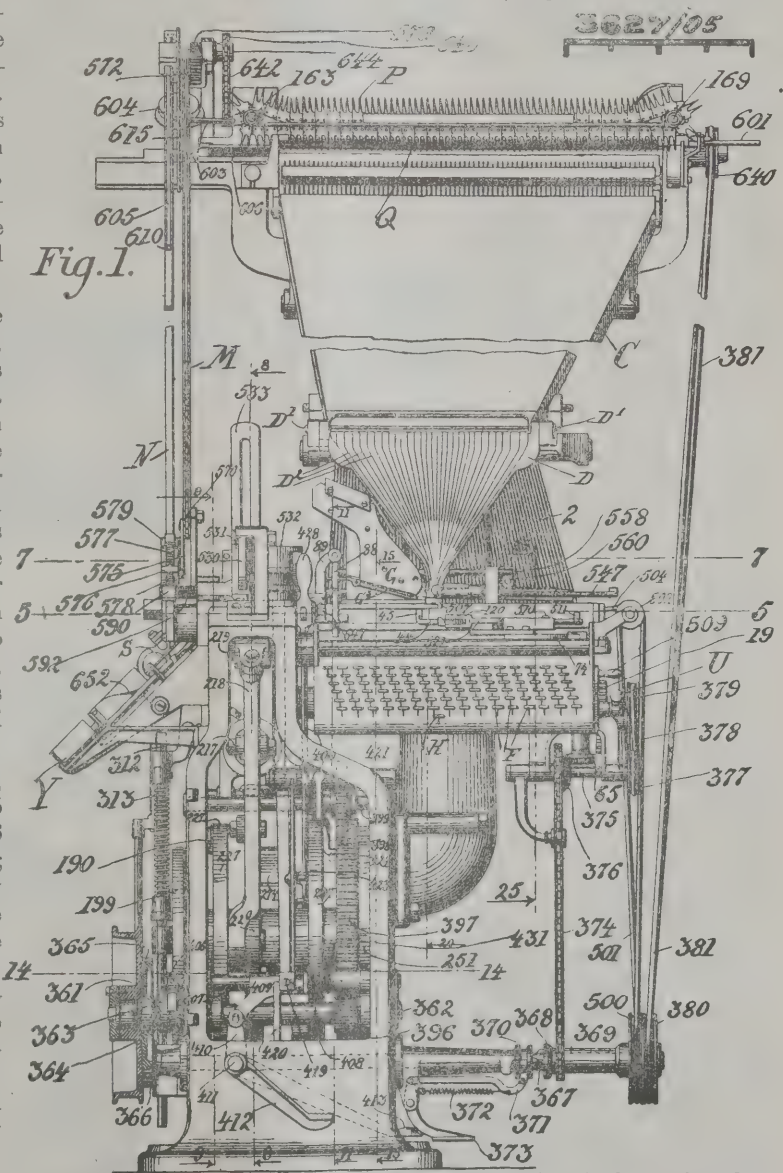
Linotype machine; all details.
Classes 50.5; 59.5.

This complete Mergenthaler linotype machine, operates with the matrices, wedge spaces and magazines of standard type, but performs most of the operations necessary to produce the finished slug, by mechanisms of special design.

The box pedestal forms a solid frame for the cam gear and melting pot, while the keyboard, magazines and distributors are supported on a lateral tubular bracket.

Power connexions.—The first motion pulley **361**, Fig. 1, runs loose on its shaft **362**, which carries a pinion **396** gearing with the large wheel **397** on the main cam shaft **192**; power is transmitted by a toothed clutch **363–4** which is forced into gear by the spring **408** on its slider bar **407**, Fig. 8, either when the automatic gear acts to release the operating cams, or when one of the pedals **412** or **413** are depressed by the operator's foot.

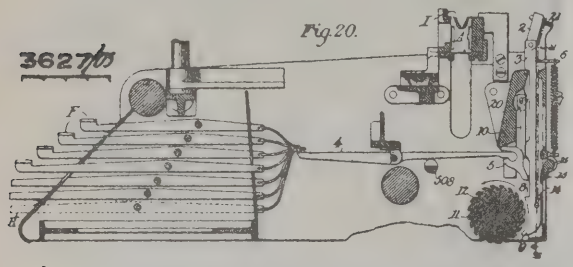
The pulley **361**, Fig. 1, carries a spur ring **365** which drives pinion **366** and shaft **397** continuously; the clutch **370** is normally held out of gear by the spring **372**; when the operator commences work, the pedal **373** must be continuously depressed to drive the sleeve **369** carrying the pulleys **500**, **380**, and chain **374** which run the escapements, assembly feed, and distributors.



Escapement action.—The key board digitals **F**, Fig. 20, do not operate the escapements directly, but cause the depression of the knuckle **5** and allow the pawl **9** on the lower end of the latch or tracker **3** to swing forward and engage the continuously rotating ratchet cylinder **12** (driven from the pulley **377**, Fig. 1) so that the escapements are moved at uniform speed and independent of the operator's touch; the pawls **9** are positively withdrawn from the cylinder **12** and only one escapement can be operated at a time.

Assembling.—The escapements permit the matrices to escape from the magazine **C** into a fan-shaped shoot **D** (hinged at **D1** for convenience of removal &c.) which guides them directly into the right-hand end of the assembly channel **I**, Figs. 5 and 5*a*, where they are packed against the left-hand resisting stop **45** by a

reciprocating packing rod **35** driven by the link **504** from the crank disc **502**, Fig. 1; the resisting stop or finger **45** is on the end of a rod **44** sliding parallel to the channel **I** and is



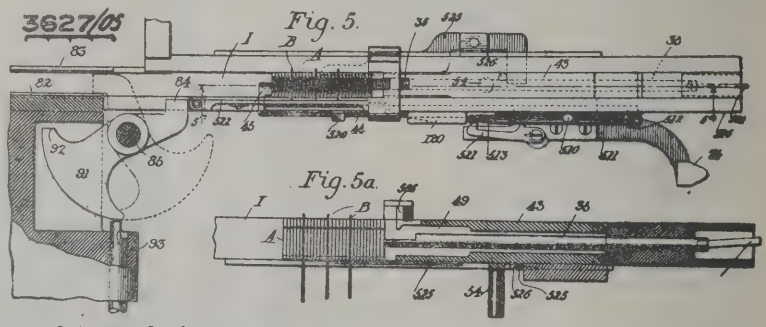
turned out by a cam at the end of the line, and drawn back by a hooked detent on the transferring slide at its return stroke.

The space magazine **C** is so located, Fig. 1, that the spaces are dropped out by a lifting pawl **C3**, and fall direct into the channel **I** among the matrices; while its upper end to the left is conveniently located near the top of the space elevator slide **533**.

Line transfer.—On the completion of a line the operator depresses the handle **U**, Fig. 1, which lifts and locks a clutch on the vertical shaft with bevel gear **65**; the clutch is held up by a detent until a complete revolution of the crank on its upper end causes a full forward and return stroke of the transfer slide **43**, Figs. 5 and 5*a*; on the completion of the return stroke the tappet **74** releases the detent and the rotation ceases; the stroke of the transfer slide moves the line of matrices **A**, Fig. 5, from the position there shown to the casting position at the extreme left of that figure.

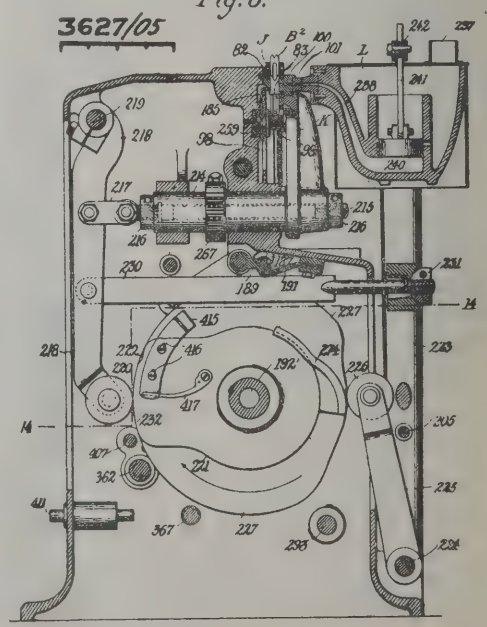
The forward stroke of the slide **43**, by means of a sliding rack (not shown in the selected figures) gearing with a pinion on the head of the vertical shaft **85**, Fig. 5, causes a rotation of the piece **91** to the position shown in dotted lines, whereby the line of matrices is pushed by the jaw **84** against an outer abutment (not shown) further to the left; if the line is properly slack, the face **92** passes the sliding bolt **93**, which springs forward, withdraws the stop lever **419**, Fig. 1, closes the clutches **363–4**, and starts the main cam gear; if the time is too long, the bolt **93** is not released, and the operation cannot proceed; if the line is set so slack that the wedge-spaces cannot expand it to prevent leakage of metal in casting, the excessive rise of the justification bar places a stop in the way of the metal pump gear and prevents squirting.

Line clamping and slug casting.—The matrix line is held down and aligned during justification by the hook plate **185**, Fig. 8, which is normally held up by the plate spring **191** until the starting cam rocks the lever **189**, at first slackly, during which time the justifying bar **99** is allowed to rise under spring pressure by a simultaneously retreating and stepped cam surface, so as to shake the matrices laterally and avoid leakage; when the line is tight endwise, the hook **185** tightens, the mould plate **100** on the bracket **K** is drawn forward by the link **217**, and the casting jet **101** and pot **L** by the link **230**, both being attached at different radii to the same cam lever **218**. The pump plunger **242** is depressed by a tensional spring, which is released by a drop on another cam



wheel **251**, Fig 1, and then gradually lifted, after which the pot **L** and mould **100** are pushed

Fig. 8.

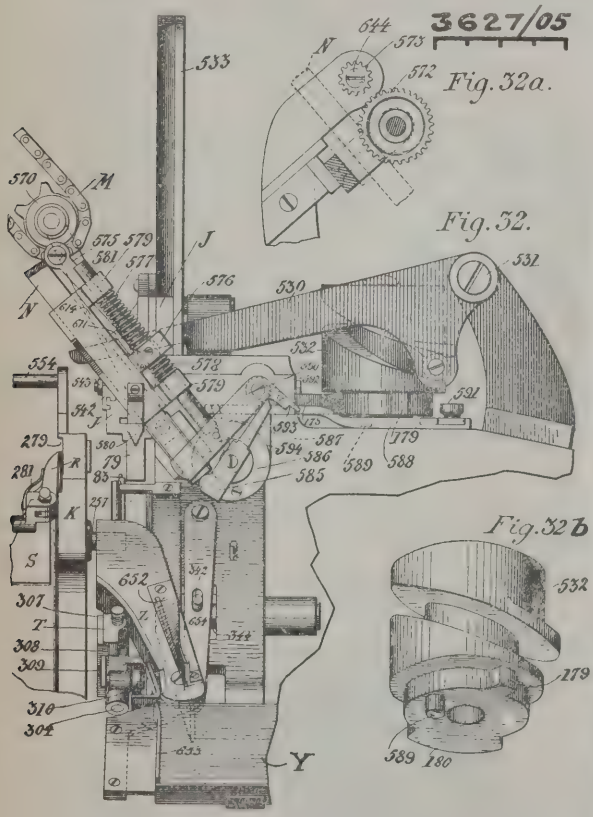


back by the cam and roller **226**, Fig. 8, also drawing the slug and clearing the matrices.

Slug ejecting and trimming.—The mould bracket **K**, besides having a sliding motion from the link **217**, can also rotate on the shaft **215**, Fig. 8, being driven by a vertical cam-operated rack, and is turned (Fig. 18) about 45 degrees to the left, during which motion the slug is broken from the casting jet, forced past the bottom trimming knife **R**, Fig. 32, is partially ejected by the blade **S**, and trimmed on the back and front by the knives **T**, **T**, which slide on the rod **304**, and is finally dropped into the galley **Y** and packed therein by the vibrator **653**.

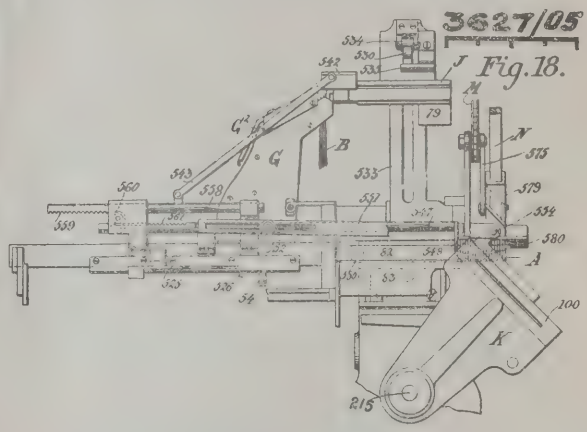
After returning the mould-arm **K** to the vertical position, the main cam shaft is stopped by a projection on the cam wheel **297**, Fig. 1, which draws back the slider bar **407** and separates the main clutches **363–4**, stopping the action.

Space band elevator.—During the rotation of the main cam shaft **192**, a secondary vertical cam **532**, Fig. 32*b* and Fig. 1, has been rotated by bevel gear (much masked in Fig. 1)



which controls the locking jaw shaft **85**, Fig. 5, during casting, and returns the jaw **84** to its normal position. The cam **532** also drives the space elevator, which slides on the upright **533**, Fig. 32, and is lifted by the lever **530** which has a lateral roller engaging a spiral groove on the cam.

The outer abutment or jaw is a depending block **79**, Fig. 18, attached to the space elevator **J**, which supports the space bands by their projecting lugs above the level of the matrices, so that, on the slackening of the line after casting, the rising elevator **J** draws up the space bands **B** (and also the outer abutment **79**), to the height of the top of the space magazine **C** as in Fig. 18. The swinging of the mould arm **K** draws a sliding rod **547** towards the right in Fig. 18, and a pawl or finger **548** on its end



pushes the line of matrices **A** on to the lifting bar **580**, which may be seen in its lower position in Fig. 1, and also in its upper position in Fig. 38; the sliding rod **547** is also coupled by the gear **560** and link **543** to a slider **542** on the elevator, which sweeps the space bands **B** off the spacer carriage into the magazine **C**.

Matrix elevator.—The lifting bar **580**, Figs. 18 and 32, is attached to a carriage **579**, Fig. 38, sliding on the bar **N**, Figs. 1 and 38, and reciprocated along it by an endless chain **M** passing over sprockets **570**, **572** fixed to the top and bottom of the bar **N**; the carriage **579** is elastically linked by the springs **577** and **578** so that it may exactly register against end stops; the bar **N** also has a small sliding motion in its end supports due to the action of a lever from the vertical cam **532**; when **N** is lifted the upper chain wheel **572** is placed in gear with a constantly running wheel **573**, Fig. 32*a*, and the chain makes a complete cycle, lifting the carriage up and down, and then is tripped out of gear. The wheel **573** is driven by the belt **381** at the right hand in Fig. 1 through a shaft above the distributor and the chain **642**, Fig. 38.

Distribution.—In rising to the upper position in Fig. 38, an extension **605** of the carriage pulls up a spring stretched cord **603** passing

around the guide pulley **604** and draws out the horizontal rod **601**, which on return pushes the matrices **A** off the lifting bar **580** to a short fixed carrier bar **606** on the upper or distributing frame.

From the bar **606** the matrices are lifted singly by means of a vertically reciprocating plate (not visible in Fig. 38) on to the distributing bar **Q** at a sufficiently higher level for engagement by the vertical faces **171** of the teeth of the chain carrier **P1**, by which they are moved along **Q** until each matrix drops into its appropriate channel in the magazine.

35 typed pages, 57 claims; 23 fols. drgs., 66 figs.

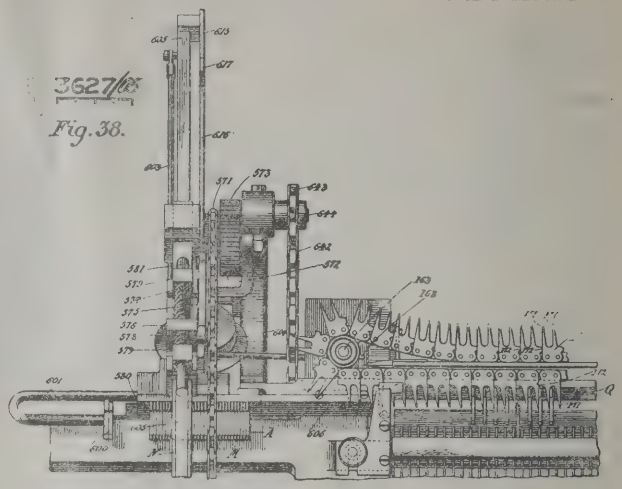


Fig. 38.

3628. 14 July. *Prov. only.*

C. McIntyre, Braeside Mfg. Co. Prop. Ld., Gipps-street, Richmond, Vic., manufacturer, and A. U. Alcock, 208 Russell-street, Melbourne, Vic., electrician,

"Improvements in electric heating apparatus."

Classes 06.7; 25.7.

3629. 14 July. H. S. Jones, Cowper-street, Granville, N.S.W., accountant (*assignee of* T. D. Kyle, *act. inv.*),

Chilling and freezing fish.

Classes 28.1; 29.7; 35.8.

To retard the decomposition of fish under cold and frozen storage, it is placed as soon as possible after catching in tanks **A** of concentrated sea water and cooled below zero **C** without freezing; the water is circulated from the sponge filter tank **o** to rise through the charcoal filter layer **C**; this stage of the process may be performed on the fishing grounds.

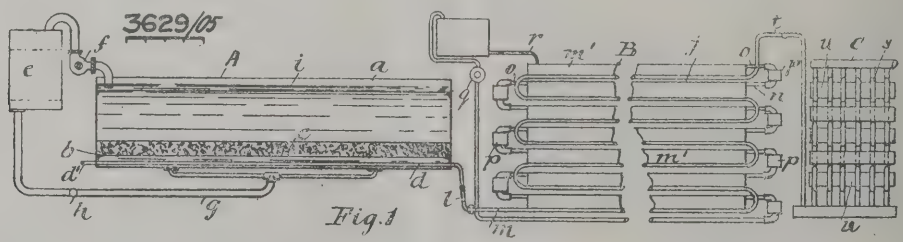


Fig. 1

The cooled fish is gutted and cleaned and placed in the trays **m1** in the second stack **B**; which are supported on frames of cooling pipes **m**; the brine in the trays being circulated by pipes **p** and filtered as before, thus washing away remaining deleterious matter; fish may be kept in these tanks for daily sale.

For further storage, the fish is transferred in trays **u** to the rapid freezer **C**, surrounded by freezing coils **s**, and frozen into blocks with fresh water or weak brine.

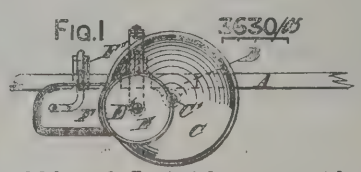
8 typed pages, 6 claims; 1 fol. drg., 2 figs.

3630. 15 July. P. Herrick, Hargreaves and Baxter streets, Bendigo, Vic., traveller,

Rotary scraper for disc ploughs.

Class 30.7.

The flat or dished scraper disc **E** is mounted on a cranked bracket from the frame **A**, and its edge is adjusted by slots and bolts in the bracket, so that it fits close to the ploughing disc **C**.



A mould-board **F** (with a curved edge to match the scraper) is also placed to throw off the scrapings.

4 typed pages, 3 claims; 1 fol. drg., 3 figs.

3631. 15 July. *Prov. only.*

O. T. MADELEY, Corindhap, Vic., watchmaker,

"An appliance to be used with an extra pair of reins, attached to the harness, to prevent the horse from running away or bearing too heavily on the driver's hand."

Class 39.4.

3632. 15 July. *Prov. only.*

O. T. MADELEY, Corindhap, Vic., watchmaker,

"A re-setting trap for catching rabbits, hares, and foxes alive, in unlimited numbers."

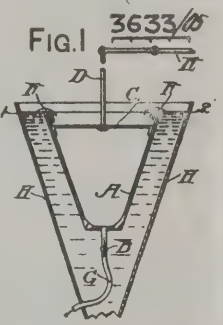
Class 38.7.

3633. 15 July. *C.a.P.* 15 May, 1906.

J. H. GILLIES, 454 Collins-street, Melbourne, Vic., mining engineer.

Collectors for floated ore.
Class 12.5.

Fine scums from ore flotation vats (such as in 1014/04) are collected by funnels **A**, which conform to the outline of the vat, and have their edges **F** adjusted just below the surface by a rod **D**; the skimmings flow out by the flexible pipe **C**.



In modifications, the funnel may be fixed and its edge adjusted, or several concentric edges may be formed by annular funnels.

Prov. 4 *typed pages.*
Comp. 5 *typed pages*, 4 *cls.*; 1 *fol. drg.*, 6 *figs.*

3634. 15 July. T. H. BROWN, manager, and J. E. STAPLES, chemist's assistant, both of Lambton Quay, Wellington, N.Z.

Application under Sec. 7.

N.S.W. ...	12,261	...	17 July, 1902
Vic. ...	19,495	...	17 July, 1902
Qld. ...	6745	...	18 July, 1902
S.A. ...	7804/5766	...	18 July, 1902
Tas. ...	3452	...	18 July, 1902
W.A. ...	3964	...	26 July, 1902

Branding fluid for carcases, eggs, &c.
Classes 37.4; 79.3.

The composition contains:—

Lunar caustic	..	20 grains
Logwood	...	1 dram
Water ...	...	1 ,,
Methylated spirits		6 drams (about)

mixed and used in any approved manner.

2 *typed pages*, 1 *claim.* *No drawing.*

3635. 17 July. *Prov. only.*

J. J. SHUTTLEWORTH, "Lauriston," Ryde, N.S.W., architect,

"Improvements in guarantee fastenings for mail bags and the like."

Class 54.3.

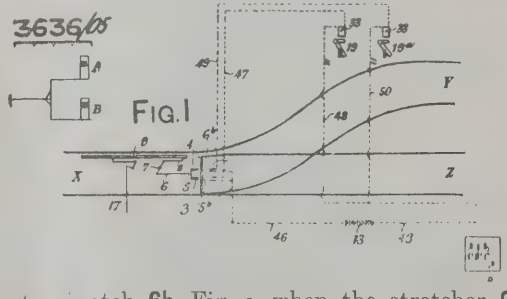
3636. 17 July. *C.a.P.* 6 Nov.

A. O. SACHSE, 454 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* C. DUTTON, *act. inv.*, Tolladine-road, Worcester, Eng., engineer; C. H. W. EDMONDS, *act inv.*, Albert-road, Worcester, Eng., engineer; and MCKENZIE AND HOLLAND LIMITED, *assignees*, Vulcan Iron Works, Worcester, Eng., railway signal engineers.

Indicating railway points and signals.
Classes 98.2; 99.2.

To indicate that switches, locks, and signals are in their correct positions, the electric connexions in Fig. 1 are used.

The lock-bolt and slots are duplicated, the bolts **3**, **4**, Fig. 2, are coupled to the rod **6** by the beam **5** so that the rib **5a** on bolt **5** enters the notch **5b** in the stretcher **2** when the siding is open as in Fig. 1, and the rib **6a** on bolt **4**



enters notch **6b**, Fig. 2, when the stretcher **2** is moved over with the points to open the straight road. In either case the inoperative bolt **3** or **4** is blocked by the solid part of the stretcher, and the beam **5** takes up an oblique position; the locking bolt after entering closes the contacts **11** and **12**, Fig. 2, as the case may be.

In the signal box, Fig. 1, levers **A1**, **B1** are for the signals **A**, **B**; lever **D** for the switch tongue has been moved, but the lever **C** for the locking gear **3** to **9** and **17** has not been moved, as in Fig. 2.

Figs. 4 and 5 show the interlocking and indicator; the signal lever **A** is locked by the latch **37** in a notch in the bar **39**; after pulling the lever **C**, if the switches are fully moved, bar **3** will move and complete circuit **49** except for a gap **30–31** in Fig. 4, which is closed when the catch rod is lifted by the signalman preparatory to lowering signal **A**.

The battery circuit being now complete, the magnet **33** lifts latch **37** (with indicator **42**) and the signal **A** may be lowered. If the bolt **3** is not fully inserted, the break at **11**, Fig. 2, will not be closed and the signal cannot be lowered.

Further diagrams illustrate the extension of the system and apparatus to electro-pneumatic signalling apparatus.

Prov. 5 *typed pages.*
Comp. 13 *typd. pgs.*, 4 *clms.*; 4 *fols. drgs.*, 8 *figs.*

3637. 17 July. W. J. Napier, Sydney, N.S.W., electrical engineer.

Safety stops for controllers.
Class 04.7.

To prevent the too rapid step-wise operation of the manual controller of electric motors, the rush of current as each step is made causes a magnet or solenoid **24** to open a spring closed valve **13**, that admits air from the reservoir **50** to a spring-returned piston in the controller **51**

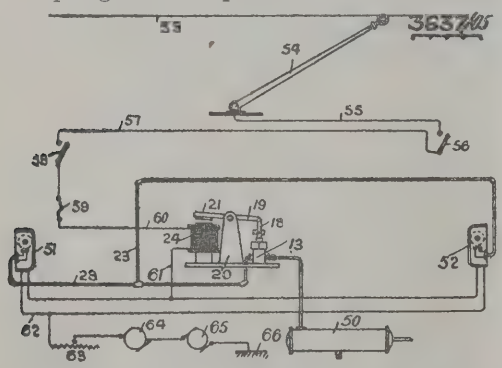


FIG.9

or **52**, as the case may be. This operates to force a detent into engagement with ratchet notches (shown by dotted circle) on the controller axis, thus preventing additional motion of the controller until the first rush of current has passed.

In a modification the detent is withdrawn by a differential air piston, in place of the spring.

17 *typed pages*, 10 *claims*; 6 *fols. drgs.*, 9 *figs.*

3638. 17 July. The Morgan Crucible Co. Ld., Battersea Works, Battersea, London, Eng., manufacturers (*assignees of* C. W. Speirs, *act. inv.*, Battersea Works, Battersea, London, Eng., engineer).

Compressed graphite and metallic powder.
Classes 02.2; 60.9.

For use in commutator brushes and bearings, &c., the flaked graphite compositions in 3391/05 and 3392/05 are varied by the addition of powdered copper or other metal, which may be uniformly incorporated, or arranged in layers to increase the conductivity or toughness in certain directions for special purposes.

4 *typed pages*, 3 *claims*. *No drawing.*

3639. 17 July. *C.a.P.* 16 May, 1906. *Lapsed.*

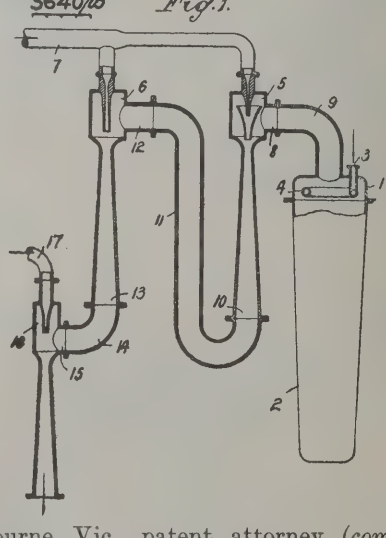
G. H. Kemp, 414 Collins-street, Melbourne, Vic., wool-classer.

"Vapour-lamp stencil brand for cattle and the like."

Classes 23.3; 37.4.

3640. Received, 18 July, post-dated to 21 July. E. Phillips, 533 Collins-street,

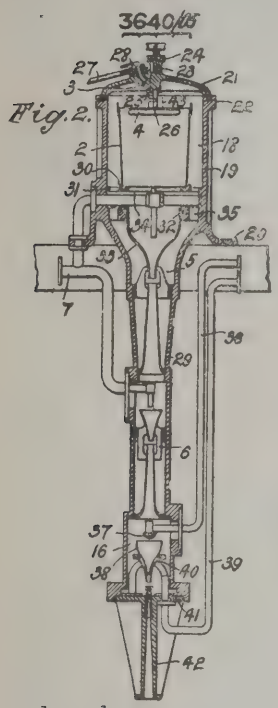
3640/05 *Fig.1.*



Melbourne, Vic., patent attorney (*communicatee of* M. Leblanc, *act. inv.*).

Application under Sec. 85, additional to 483/04.

Ejectors and condensers for refrigeration.
Classes 29.2; 63.8; 69.1.



Two modifications of ejector systems for refrigerating by evaporation, as in 483/04, are shown in Figs. 1 and 2.

The vessel **2** holds the liquid to be cooled, which is introduced by pipe **3** and spray pipe **4**. In Fig. 1 it is attached to a head **1** by a flange-joint; in Fig. 2 the vessel is placed inside a casing.

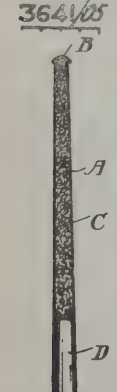
Tandem ejectors **5** and **6** supplied with steam by a common pipe **7** create the vacuum, promoting evaporation in vessel **1**; and the ejector condenser **16** removes the condensed vapour.

4 *letterpress pages, 3 claims; 2 fols. drgs., 2 figs.*

3641. 18 July. J. Fraser, Glenthompson, Vic., grazier, and T. J. Good, 396 Flinders-lane, Melbourne, Vic., importer.

Fuse igniter.
Classes 89.8; 89.9.

A tapered paper case **A** is partly filled with slow match composition to burn about one minute, leaving the part **D** empty, and is sealed by dipping in parafin wax, &c.



The preferred composition contains, by bulk :—

Treble F black powder	...	3
Saltpetre	...	6
Dry sawdust	...	4
Dry shellac	...	2
Lamp-black	...	1

It is kneaded with water, and rammed when nearly dry.

In use the wax ends are broken off, the empty end **D** of the case is placed over the end of the length of fuse, and the igniter is lit at the outer end.

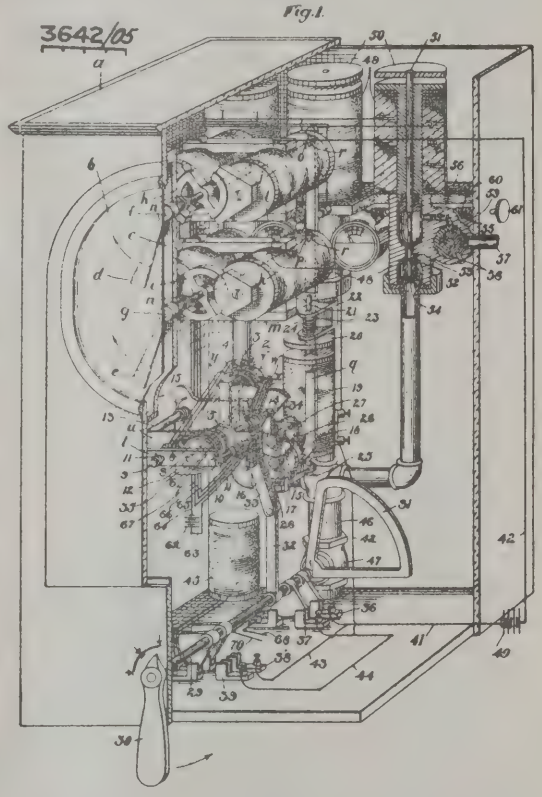
5 *typed pages, 3 claims; 1 fol. drgs., 3 figs.*

3642. 18 July. J. A. Whyte, Toronto, Ontario, Canada, electrical engineer.

Block signalling and train control.
Classes 04.7; 96.6; 98.2; 99.2; 99.4.

Conspicuous semaphores at the railway side are replaced in this system by apparatus in the signal station, Fig. 5, and on the locomotive, Fig. 1, containing miniature semaphores that are operated by circuits through the rails.

In Fig. 5, the rails **71** and **72** are the permanent way, the rail **72** being divided by insulations into blocks **D**, **H**, **E**, named respectively "Distant," "Home," and "Emergency" blocks; each "block" contains two succeeding insulated sections; an additional rail **74** is similarly divided and makes contact with the locomotive by a collector shoe. The rails **71**



and **72** are connected across at each block by a resistance wire **73**, and each section of rail **74** is connected to the next onward section of **72**, the direction of travel being from right to left.

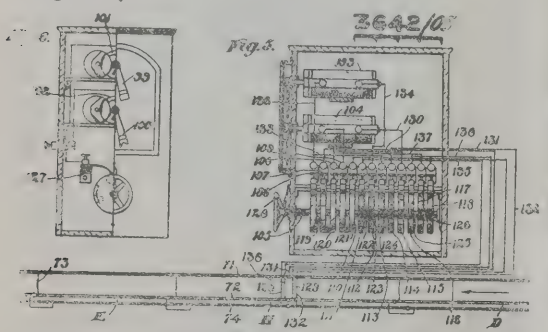
The station apparatus, Figs. 5 and 6, has two small semaphore arms **99** and **100** operated by magnets **103**, **104**; a controller drum on shaft **105** may be set by the hand wheel **128** and pointer to connect the sectional rails for "Distant," "Home," "Emergency," "Through

Train," or other operation, so that the semaphores will act in concert with those on the locomotive.

The locomotive apparatus, Fig. 1, has an upper semaphore **d** that is held down against the tension of the spring **n** by the magnet **j**, which is energized by the current from battery 40 normally passing the double switch **36**, **37**, through the lead **69** to the collector shoe on rail **74**, and the lead **70** to the wheels bridging the rails **71** and **72**. If the circuit is broken by any accident to the permanent way or by any open switch the arm **d** will rise.

The lower semaphore **e** is normally held down by the spring **n** on its axle **g**, but the magnet **k** is so wound that the normal current from **40** does not operate the armature, but if the current is increased by a short circuit due to the presence of another train, or by a direct short circuit from the station instrument, Fig. 5, then semaphore **e** is raised.

The raising of either semaphore **d** or **e** is made to operate the brakes through the automatic rheostat or controller on the axis **s**, Fig. 1, which is caused to rotate slowly by the spring on the axle 13 and gearing **14**, **15**, &c., which is normally locked by detent **28**. When the detent is released, the speed is checked by the anchor **27**, which is simultaneously moved into engagement by the dropping of the rod **q** under the action of cranks **o**, **p**, on the semaphore axles, assisted by the magnet **19** (and its armature 20) which is similarly wound to the magnet **k**.



The air-brake pipe **46** has three branches, each with a magnetically operated release valve **54**. The three valve magnets **49** are connected through the several wheels on the controller **s** so that they are released in successive order at short intervals by the current from the battery 62.

At the foot of the apparatus, Fig. 1, is the driver's testing switch with handle **30**; the first movement by the switches **36** to **39** substitutes the resistance **45** for the outer rail circuits **68–70**, and also holds up the detent frame **25** by the cam **31**; this enables the driver to see at once if the action of the semaphores is due to external influences or to a defect of the apparatus. Further motion of the handle **30** winds the gear spring on the axle **13** by the arm **32**, link **33**, and also shuts the cock **47** on the brake pipe.

The modified connexions for a cross-over road between double lines are shown and also the working of traffic in two directions on a single line, this latter requiring two auxiliary rails for the collecting shoes.

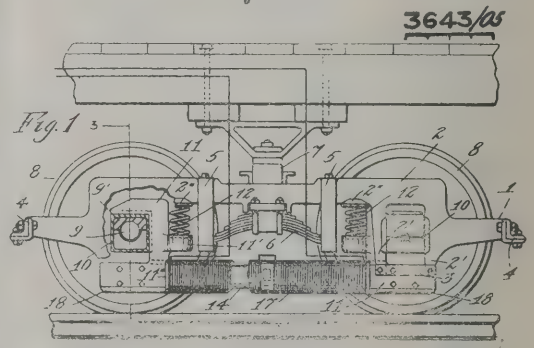
23 *typed pages*, 6 *claims*; 2 *fols. drgs.*, 6 *figs.*

3643. 18 July. R. C. Lowry, General Delivery, Seattle, Washington, U.S.A., gentleman.

Magnetic adhesion for railways.

Classes 02.2; 96.3; 98.3.

The adhesion between wheels and rails is increased magnetically by a yoke bar **14** excited by the coil **17**; the magnetic circuit from each end passes extended pole faces **18** that are separated from the iron wheel discs by small air gaps, and thence through the points of contact and the rail. The bars **14** are supported by non-magnetic hangers **11**, resting on the brasses 9^1, which receive the load through springs **12**; the main axles **9** are preferably non-magnetic, to confine the circuit. The attraction of the wheel for the pole pieces **18** is opposed by thrust collars on the journals.



In a modification the pole pieces **18** are inside the wheels, and held apart by non-magnetic strut bars, and the vertical weight of the magnet is carried by non-magnetic sleeves on the axle.

The core bar **17** may be utilized as an equalizing lever.

11 *typed pages*, 16 *claims*; 2 *fols. drgs.*, 8 *figs.*

3644. 19 July. *C.a.P.* 27 Oct. *Lapsed.*

G. C. DE WITT, 10 Parliament-place, Melbourne, Vic., metallurgist.

"An improved process for the treatment of antimonial and other refractory ores containing gold and silver."

Classes 15.2 ; 17.4.

3645. 19 July. *Prov. only.*

W. H. RICHARDSON, George-street, Thebarton, S.A., engineer.

"An improved disintegrating machine."

Class 10.6.

3646. 19 July. W. H. RICHARDSON, George-street, Thebarton, S.A., engineer.

Amalgamating gold saver.

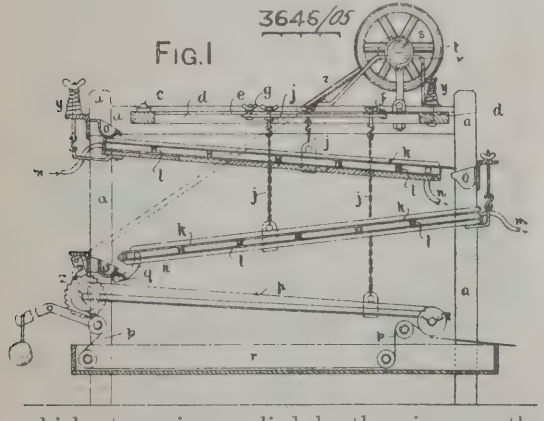
Classes 11.4 ; 13.2 ; 13.4.

An upper frame **d** is shaken vertically at one end by the eccentric shaft **s** and springs **y**, the other end being attached to a rock-shaft **c** ; chains **j** support shaking tables, &c., the chains being adjustable longitudinally on **d** by the wing nuts in slots.

The crushed quartz, &c., is fed over mercury riffles **o**, over copper-covered tables **k**, **k**, and finally falls on an inclined canvas web **p** (also shaken) which passes over rollers, and is submerged for washing in the tank **r** ; the web is moved slowly by the ratchet feed **z**.

The tables **k** are covered by two sheets of metal connected by studs **l**, forming a space in

FIG. 1 3646/05



which steam is supplied by the pipes **m** ; the condensed steam flows by outlets **n** and spray pipe **q** to the canvas belt and tank. The walls of the steam space are of copper above and zinc below to maintain the mercury in condition by galvanic action.

Prov. 3 *typed pages.*
Comp. 7 *typed pages*, 7 *claims ;* 1 *fol. drg.*, 2 *figs.*

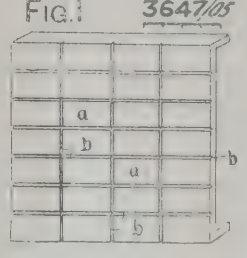
3647. 19 July. W. F. ROBERTS, 72A Pirie-street, Adelaide, S.A., merchant.

Butter cutter ; recessed base.

Class 38.6.

The base plate, Fig. 1, is used in combination with an ordinary rectangular frame with crossed wires by which a block of butter laid on the plate is cut vertically into prisms ; after passing through the butter the wires pass into the recesses **b** and lie below the butter ; the wires are stretched (by notched screws) over the upper face of the frame, so that the whole frame also descends below the butter block.

FIG. 1 3647/05



A second frame with vertical posts and open foot of usual type is then drawn horizontally to cut the vertical prisms, and it may be fitted with wires at equal distances to cut uniform prints, or may have wires at suitable distances to cut one layer of pound-prints and other layers of half-pounds.

Prov. 3 *typed pages.*
Comp. 6 *typed pages*, 4 *claims ;* 1 *fol. drg.*, 4 *figs.*

3648. 19 July. *Prov. only.*

A. E. OPHEL, Pirie-street, Adelaide, S.A., instructor in physical culture.

"Improved apparatus for physical development."

Class 53.2.

3649. 19 July. *Prov. only.*

L. POZZI, 252 Johnston-street, Fitzroy, Vic gunsmith.

"Blot preventative ruler."

Class 49.1.

3650. 19 July. *Comp. lapsed.*

J. E. HENRY, Bundarra, N.S.W., builder.

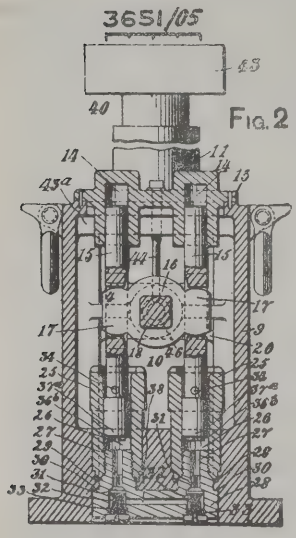
"A device for measuring and checking rolls of cloth, ribbon, paper, and the like."

Class 56.4.

3651. 19 July. W. H. Russell, Douglastown, New Brunswick, Canada, inventor.

Hydraulic jack.

Classes 59.1; 65.1; 68.3.



The outer case **9** forms the oil store; the jack has one lifting ram **11** with two force pumps having the suction valves in the ram operated by a rock shaft **46** and an external lever placed in the eye of the shaft; the pressure valves and passages to the ram are in a piece **28** let into the base.

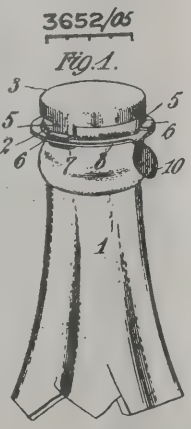
13 *typed pages*, 12 *claims*; 2 *fols. drgs.*, 8 *figs.*

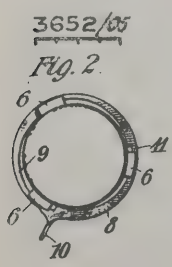
3652. 19 July. G. Kirkegaard, *act. inv.*, and F. Jebsen, *assignee*, 514 Pearl-street, New York, U.S.A., mechanical engineers.

Cam closed bottle cap.

Class 57.5.

The three-lugged metal cap **3**, Fig. 1, has an internal packing disc of cork and may be placed over the bead **2** on the bottle neck when the cam ring **8**, Fig. 2, is turned to the expanded position; on rotating the ring by the wing **10** the three springy lugs are forced inward and draw down the cap and packing tightly over the bottle mouth; the cap may be removed and replaced as desired. Wide-mouthed bottles may have four or six lugs.





10 *typed pages*, 12 *claims*; 1 *fol. drg.*, 8 *figs.*

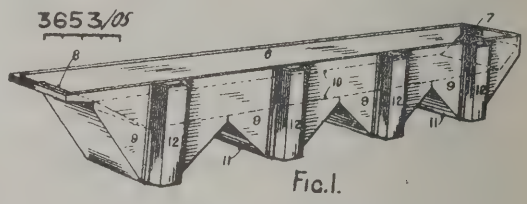
3653. 19 July. *C.a.P.* 10 Mar., 1906.

J. P. Johnson, *assignee*, and J. Vicars, *act. inv.*, Circular Quay, Sydney, N.S.W., wool-brokers and scourers.

Sediment collection in wool scours.

Class 25.2.

In wool washing troughs **6** for use with any kind of mechanical agitation, a series of settling wells **9** are provided under the perforated bottom **10**; pockets **12**, extending upward at the sides or otherwise, permit the removal of the sediment from the wells by scoops.



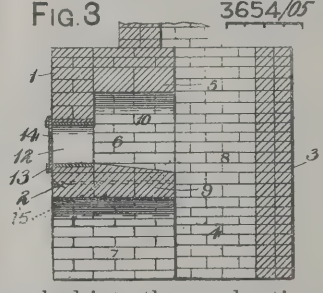
Prov. 2 *typed pages.*
Comp. 4 *typed pages*, 3 *claims*; 1 *fol. drg.*, 5 *figs.*

3654. 19 July. R. D. McManigal, superintendent of Logan Brick Mfg. Co., Logan, Hocking, Ohio, U.S.A.

Furnace for kilns.

Classes 16.1; 16.8; 19.1.

The furnace, Fig. 3, is built into the wall of the kiln; it avoids the use of grate bars, will burn any kind of fuel, and prevents cold air entering to the injury of the ware.



A fire is started under the cleaning arch **7** until the kiln is "water smoked"; fuel is placed in the feed chamber **6**, and remains until coked, when it is pushed into the combustion chamber **8** by the introduction of the next charge.

Air is supplied to the combustion chamber by draft holes **15** built in the arch under the fuel chamber; the holes may be closed when desired.

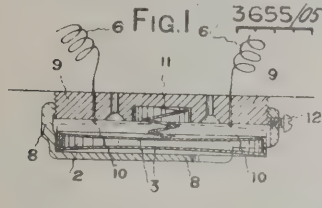
7 *typed pages*, 4 *claims*; 2 *fols. drgs.*, 5 *figs.*

3655. 19 July. A. TAYLOR, *act. inv.*, 43 First-street, engineer; T. PALMER, 39 First-street; and J. MACDONALD, detectives, *assignees*, 89 Catham-street, all in Victoria, Brit. Col., Canada.

Electric fire alarm.

Classes 04.3; 88.5; 99.7.

To insure a firm electric contact, the sides of the capsule **2** (containing a volatile material) are made slightly concave, so that a sudden motion takes place as the expansion passes the flat stage; whereupon the metal of the capsule bridges the terminals **10**, **10**.



In a modification, the alarm may be used as the ordinary call-push for apartment use, by the addition of a central finger-stud protruding through the front of the casing **8**.

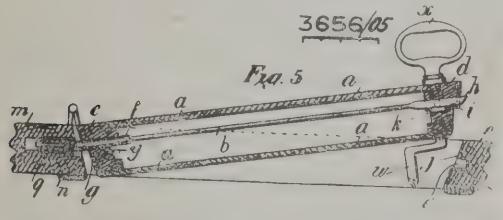
9 typed pages, 6 claims; 1 fol. drg., 3 figs.

3656. 19 July. W. GILBERTHORPE, 349 Monument-road, Birmingham, Eng., butcher.

Carriage door latches.

Classes 78.8; 88.0; 96.2.

When the door is closed from the position in Fig. 5, the spring bolt **h** slides against the inclined catch plate **j**, pushes back the spring **q**,



and locks in the recess **v** in the usual manner; it may be opened by turning the handle, which has the usual internal lever for pushing back the bolt.

If the door is imperfectly closed the pressure of the spring **q** through the rod **b** will cause the bolt **h** to slip in the catch plate, and the leverage of the spring **q** on the door hinge will also assist to cause the door to stand visibly in an unfastened position to warn passengers. The rod **b** must be placed out of the line of motion of the sliding sash.

6 typed pages, 1 claim; 1 fol. drg., 6 figs.

3657. 20 July. *Prov. only.*

J. P. HUGGINS, 14 Martin-place, Sydney, N.S.W., manufacturers' agent (*communicatee of* the TOLEDO COMPUTING SCALE CO., Toledo, Ohio, U.S.A., *assignees of* A. DE VILBISS, *act. inv.*, Toledo, Ohio, U.S.A., engineer).

"Improvements in direct-reading automatic computing scales."

Classes 55.5; 56.8.

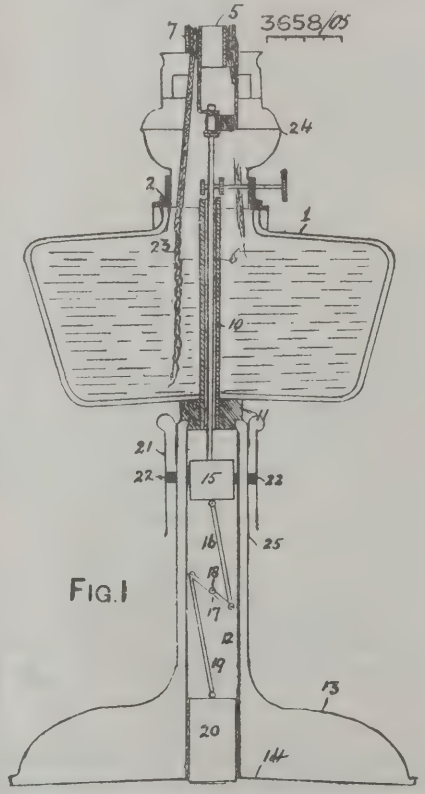
3658. 20 July. *C.a.P.* 19 Mar., 1906.

A. CARSON, Melbourne, Vic., machinist, and J. S. GREER, Royal-parade, Royal Park, Vic., clergyman.

Safety-table lamp; automatic extinguisher.

Class 22.2.

The safety lamp described in 135/04 is modified by the use of a parallel sleeve tube **7**, sliding on a parallel part of the wick tube which was previously tapered; by the substi-



tution of a pair of spring brakes **22** pressing on the cylinder **15**, in place of a single lever on the rod **6**.

The action of the weights **20** to lift the extinguishing shield **7** when the lamp is overturned, or when the lamp is lifted without closing the brakes **22**, is unaltered.

Prov. 2 *MS. pages.*
Comp. 8 *MS. pages*, 5 *claims*; 1 *fol. drg.*, 3 *figs.*

3659. 20 July. *Prov. only.*

T. G. Trowbridge, miner; W. K. Burnside, chemist; and H. McC. Burnside, chemist's assistant, Victoria-street, Eaglehawk, Vic.

"Improvements in and relating to fuze igniters."

Class 89.9.

3660. 20 July. *Prov. only.*

A. Gray, Mount-street, Canterbury, N.S.W., horse trainer.

"Improved domestic cooler for butter and other comestibles, usable also as a heater."

Classes 29.3; 36.3.

3661. 20 July. *Prov. only.*

A. Gray, Mount-street, Canterbury, N.S.W., horse trainer.

"Improved trap for rabbits and the like."

Class 38.7.

3662. 20 July. *Prov. only.*

F. Lorenz, 45 Swan-street, Richmond, Vic., commercial traveller, and J. Aebi, 25 Swan-street, Richmond, Vic., photographer.

"A system of using and making stencil keys adapted for secret correspondence by postal card, letter, or telegrams in any language."

Classes 51.6; 99.6.

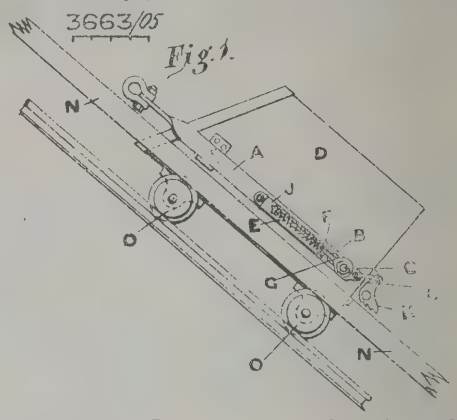
3663. 20 July. *C.a.P.* 18 Apr., 1906.

F. L. Bell, Cumberland Gold Mine, Norseman, W.A., engineer.

Safety grips for inclined haulage.

Class 59.2.

In safety gear for inclined haulage in mines, the trucks **D** have lever dogs **K** that are held off the skids **N** against the pressure of coiled springs **E** by the direct pull of the draw-bow **A**. The springs are attached to studs **C** on the truck, and when the rope breaks, or is suddenly slackened, they pull the bow back, and lower



the dogs; slots **B** in the bow allow it to slide on the studs **C**.

Prov. 3 *typed pages.*
Comp. 4 *typed pages*, 5 *claims*; 1 *fol. drg.*, 3 *figs.*

3664. 20 July. *Prov. only.*

A. J. Cuming, 769 Sydney-road, Brunswick, Vic., engineer.

"Improvements in and relating to boxes and material for and method of manufacturing boxes, tubes, roofing, packages, and sheeting."

Class 48.1.

3665. 20 July. *Comp. lapsed.*

A. Kidd, Wellington-street, Perth, W.A., mineral water manufacturer.

"An improved therapeutic electric belt parts of which are applicable to other electrical purposes."

Class 87.8.

3666. 20 July. *Prov. only.*

G. J. Schneider, Petries Bight, Brisbane, Qld., saddler.

"Free bar half somerset saddle."

Class 39.8.

3667. 20 July. *C.a.P.* 18 Apr., 1906.

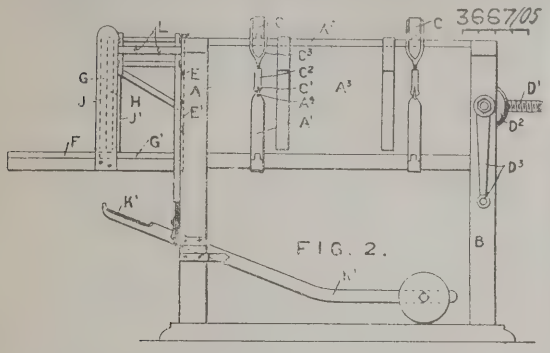
W. A. Preston, 110 Elizabeth-street, Brisbane, Qld., merchant.

Butter cutting press.

Class 36.8.

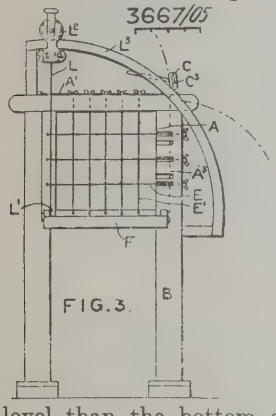
Blocks of butter from one or more boxes are placed in the trunk **A**, which has a movable

side and top secured by clamps **C**, Fig. 2; a horizontal ram, moved towards the left by



handle **D3**, gear **D2**, and screw **D1** forces the butter past crossed wires **E**, **E1**, in the end frame.

The pats may be cut off by the vertically reciprocating frame (carrying one or more horizontal wires **L**) operated by the treadle **K1**, in Fig. 2, or by the radially moving wire **L** (Fig. 3) attached to a fixed pin at **L1**, having its outer end stretched by the trolley or handle **L2**, running on the quadrant rail **L3**.



In either case the pats are received on loose trays **H** that are placed on an extension or table **F** at a slightly lower level than the bottom of the trunk **A**. The length of stroke of the ram between each vertical cut may be determined by a notched bar (attached to the trunk) which locks on a fixed plate at the desired distances.

Prov. 3 *typed pages.*
Comp. 7 *typed pages*, 7 *claims*; 2 *fols. drgs.*, 4 *figs.*

3668. 21 July. *Prov. only.*

F. Tregaskis, Ringwood, Vic., manufacturer.

"An improved detachable strainer for milk and other liquids."

Class 36.2.

3669. 21 July. *Prov. only.*

R. Coustley, Pimpinio, Vic., gentleman.

"Improved automatic sheep dipping apparatus."

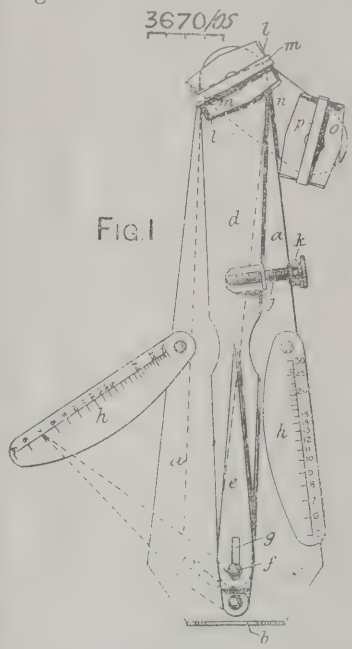
Class 37.3.

3670. 21 July. R. H. Owen, Wellington, N.Z., lieut.-col. New Zealand Militia.

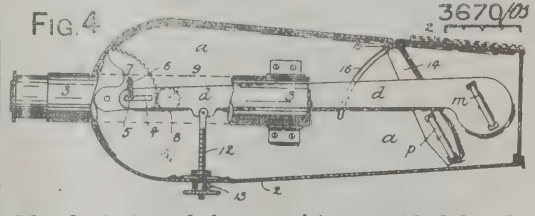
Range finders, &c.

Classes 00.4; 89.5.

In reflecting range-finders of the type described in 1895/04 (in which the cotangent of angle subtended at a distant point from the ends of a base measured at right angles to the direction is directly indicated by magnifying levers **d**, **e**, on a graduated scale **h**) an additional mirror **p**, Fig. 1, adjustably supported on a swivel plate **n** is mounted on the pivot of the radius arm **d**, but beneath the main plate **a**. This form of the invention is adapted for attachment to a rifle barrel or sighting stick by a clip.



The encased form, Fig. 4, has the primary mirror **m** permanently fixed to the radius arm, the secondary mirror **p** being independently mounted on the frame plate **a** with adjustability over 45° by the slot 16 and lock screw 15.



The deviation of the arm **d** is magnified by the quadrant **7** and pinion **8**, the cotangent being indicated on a circular dial outside the case. This form is fitted with a telescope **3** for marine use.

The instruments may also be used for distances between remote but equidistant objects and for altitudes.

5 *letterpress pages*, 5 *claims*; 2 *fols. drgs.*, 6 *figs.*

3671. 21 July. *Prov. only.*

A. MARR, Invercargill, N.Z., married woman.

"Improvements in and relating to curtain poles."

Class 46.6.

3672. 21 July. *Prov. only.*

R. GLEGHORN, South Sassafras, Upper Fern Tree Gully, Vic., agriculturist.

"Improvements in spring attachments."

Class 43.9.

3673. 21 July. *Prov. only.*

O. W. SCHRADER, 7 King William-street, Fitzroy, Vic., clerk.

"Combined picture envelope, memo. form, and foolscap sheet divided by perforation or rouletted."

Class 49.3.

3674. 21 July. *Prov. only.*

A. H. WILLMOTT, Toonburra-street, Bundaberg, Qld., foundry manager.

"A process and apparatus for converting or decarbonizing metals."

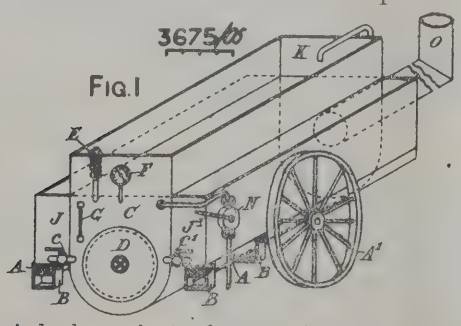
Classes 15.5; 16.37.

3675. 21 July. B. CLARK, 11 Belmore-street, Enmore, N.S.W., engineer.

Portable plant for meat extract.

Class 35.4.

The wheeled frame **A** with shaft sockets **B** for transport by animals, carries a single-tube boiler **C** adapted for wood fuel, with usual fittings **E**, **F**, **G**, &c., and feed pump **N**; the top of the boiler is flat and the side plates are



carried above it to form a flat open shallow tank **K**; on either side are stewing tanks, which are packed with flesh and filled by hot water through the pipes **C**, **C1**; when the meat is cooked to rags by the heat through the boiler plates, the soup is pumped into the upper tank **K** through the pipe at the smoke-stack end, and further concentrated to syrup during the boiling of the next charge in the side tanks; the syrup is removed when of a proper consistency and packed in jars, &c.

5 *typed pages*, 2 *claims*; 1 *fol. dry.*, 3 *figs.*

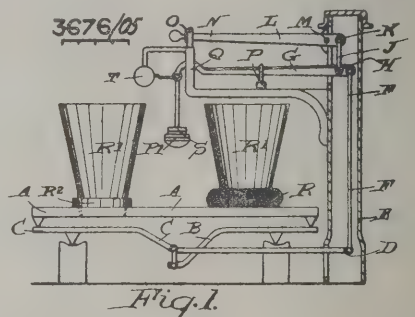
3676. 21 July. *C.a.P.* 6 Apr., 1906.

F. GOLD, 95 Palmer-street, Richmond, Vic., manufacturer.

Weighing wire to barbing machines.

Classes 56.8; 58.4.

To obviate the rapid deterioration by vibration of weighing machines integrally attached to wire-barbing machines, the wire is weighed from conical reels **R1** placed on a detached platform machine, Fig. 1; the reels are



adapted for easy removal and exchange, when the wire is exhausted; there are four or more reels **R**, some containing the strand wires and others the barbing wires, all being led to the machine over guide pulleys.

At the commencement of a coil, the reels are balanced so that the beam **G** swings at mid position; extra weights may be placed on the platform **A** equal to the desired coil (say, 1 cwt.), and the machine started; when 1 cwt. has been worked, the beam returns to its equilibrium position and starts the trigger bell **T**, or other suitable alarm, when the machine is stopped and the wire cut.

A modified equivalent combination is also shown.

Prov. 6 *typed pages.*

Comp. 8 *typed pages*, 3 *claims*; 1 *fol. drg.*, 3 *figs.*

3677. 21 July. *Prov. only.*

A. J. G. SCHMITT, Clevedon, N.Z., farmer,

"An improved parlour game and appliances for use in playing it."

Class 53.8.

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28. For enlargement of time for acceptance of Complete Specification—			
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30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
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Vol. 8.] 1908. [No. 8.

Tuesday, 3rd March.

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Mr. GEORGE G. TURRI, of above firm, is by official registration Patent Attorney No. 1 of the Commonwealth of Australia, and a Patent Agent by enrolment in the United States; a Member of the Institute of Patent Agents (Paris); of the Patent Law Association (Washington); and the Patent Agents Society (London). He is also a Commissioner for taking Declarations and Affidavits, and a Life Governor of the Working Men's College (Melbourne). He was for several years Vice-President of the Aust. Institute for Mining Engineers.

The Bankers' Magazine says: "Mr. Turri is a master in his profession."

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NOTICE IS HEREBY GIVEN that the CALIFORNIA PRODUCTS COMPANY the beneficial owner of Australian Patent No. 2621, dated 28th February, 1905, for—

"An improved process of producing cream of tartar,"

is prepared to satisfy all reasonable requirements of the public respecting said invention.

Applications in regard to the exploitation, manufacture, or licence addressed to **EDWARD WATERS AND SONS, Patent Attorneys, Nos. 414-418 Collins Street, Melbourne,** will receive immediate attention.

NOTICE IS HEREBY GIVEN that GUY de BECHI and REGINALD WYNN RUCKER, the grantees of Australian Patent No. 5952, dated the 21st May, 1906, for

"Improvements relating to the treatment of complex sulphide ores,"

are prepared to satisfy all reasonable requirements of the public respecting said Invention.

Applications in regard to the exploitation, manufacture, or licence addressed to **EDWARD WATERS AND SONS Patent Attorneys, 414-418 Collins Street, Melbourne,** will receive immediate attention.

NOTICE IS HEREBY GIVEN that WILLIAM FRASER CLAUGHTON KELLY, B.A., and JOHN ARTHUR BENTHAM, the grantees of Australian Patent No. 4852, dated the 19th December, 1905, for **"Improvements relating to photographic dry plates, films or the like,"** are prepared to satisfy all reasonable requirements of the public respecting said invention.

Applications in regard to the exploitation, manufacture or licence addressed to **EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne,** will receive immediate attention.



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NOTICE TO INVENTORS.

The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS,** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & ALLEN,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

Patents obtained in all countries throughout the World.

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PATENTS,
TRADE MARKS.

Associate Work.

P. M. NEWTON, Patent Attorney

MARKET BUILDINGS,

437 COLLINS ST., MELBOURNE.

And at Hobart and Launceston. Estab. 1895.

The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 8.] 3RD MARCH, 1908. [No. 8.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 20th to 26th February, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 20th February.

10,871. *Prov.* Philipp MILLER, Fryer's-street, Shepparton, Vic., coachbuilder,

"An improved pan closet."

10,872. *Prov.* Alfred Kirkup BURN, 14 Gisborne-street, East Melbourne, Vic., metallurgist,

"Improvements in or relating to ore concentration."

10,873. *Comp.* Richard Henry QUINE, *true and first inventor,* Sandy Grove House, Eccles Old-road, Pendleton, Manchester, Lancashire, Eng., surgeon,

Application under Sec. 121.

[Date applied for 16th Apr., 1907, being date of application in Great Britain, No. 8777/07.]

"Improvements in baths and stands for the same."

10,874. *Comp.* Edward Henry SHORTMAN, Station-street, Bolxwich, Staffordshire, Eng., works manager,

"Improvements relating to the extraction of zinc and in means or appliances to be used in connection therewith."

10,875. *Prov.* George William STACEY, Shierlaw-terrace, Southwark, S.A., carpenter,

"An improved target."

10,876. *Prov.* George Edward EDMANSON, 26 Charles-street, Prahran, Vic., carpenter,

"Flashing clip."

10,877. *Prov.* Henry Alexander TURNBULL, *act. inv.*, Newton-street, Surrey Hills, Vic., mechanician, and Alfred GODING, *assignee*, Pembroke-street, Surrey Hills, Vic., farmer,

"Improved steam generator for motor cars and other purposes."

10,878. *Comp.* Georg ULLRICH, Broken Hill, N.S.W., manager,

"Improvements in the magnetic separation of ores and the like and apparatus therefor."

10,879. *Prov.* Frederick DAVISON, Venus-street, Caulfield, Vic., printer,

"Improvements in fly-proof and other like screens for windows."

Friday, 21st February.

10,880. *Prov.* William John PROCTOR, 108 Flinders-street, Melbourne, Vic., manager (*communicatee of* DUNLOP PNEUMATIC TYRE COMPANY LIMITED, 14 Regent-street, London, S.W., Eng., *assignee of the act. inv.*),

"Improved detachable rim for motor-car tyres."

10,881. *Prov.* William WATTS, Amherst-road, West Midland, W.A., foreman,

"Railway ticket issuing cabinet."

10,882. *Prov.* Alfred MONOD, 6 Morres-street, Ballarat East, Vic., ironmonger's assistant,

"Clothes line hoist."

10,883. *Prov.* Henry Barton JAMES, 15 Spring-street, Melbourne, Vic., advertising expert,

"Improved rim for motor tyres."

Applications received, 20th to 26th February—*continued.*

10,884. *Prov.* Lazarus Price, 16 Collins-street, Melbourne, Vic., dentist,

"An improved tooth covering particularly for use during dental operations."

10,885. *Comp.* John Lee, Muston-street, Mosman, N.S.W., accountant,

"An improvement in detachable shirt collars."

10,886. *Prov.* Charles Crowley, and Edward Cole, trading as C. Crowley & Sons, 5 Queen Victoria Markets, George-street, Sydney, N.S.W., manufacturers and importers,

"The glove cleaner."

10,887. *Prov.* Henry Perrett, High-street, Branxton, N.S.W., blacksmith,

"Improvements in suspended travellers for transporting goods in shops stores and like places."

10,888. *Prov.* Henry William Hackett, Citizens Chambers, 285 Collins-street, Melbourne, Vic., accountant,

"Improvements in the water circulation of steam generators."

10,889. *Comp.* Fredrick August Deunert, *act. inv.*, wheelwright, and James Thomas Cooper, *assignee*, ironmonger, both of Kyabram, Vic.,

"Improvements in tyre inflation mechanism."

Saturday, 22nd February.

10,890. *Prov.* Joseph William Corbett, Morwell, Vic., engineer,

"A self fixing tap for tin vessels containing kerosene oil and other liquids."

10,891. *Prov.* George Edward Andrew, director of the Rosella Preserving Company Prop. Ltd., Cremorne Gardens, Balmain-street, Richmond, Vic.

"An improved air tight cover for metal cans for jams and other food stuffs."

Monday, 24th February.

10,892. *Comp.* Edwin Merritt Jahraus, 225 Kiefaber-street, Montgomery, Ohio, U.S.A., gentleman,

"Ore concentrators."

10,893. *Prov.* Henry Stevens, 82 Campbell-street, Sydney, N.S.W., gentleman,

Application under Sec. 85, additional to 8715/07.

"Improvements in and relating to safety milk cans or receivers for milk and other foods."

10,894. *Comp.* Albert Taylor, 142 Great Charles-street, Birmingham, Warwickshire, Eng., merchant's manager (*nominee of* John Jones Rowe, *act. inv.*, Durban, Natal, S. Af., engineer),

"Improvements in sun blinds or screens."

10,895. *Comp.* Marcel Pierre Vincent Delage, 151 Rue de Courcelles, Paris, France, manufacturer,

Application under Sec. 121.

[Date applied for 27th Feb., 1907, being date of application in France, No. 7373/07—addition to French Patent No. 348,466.]

"Manufacture of incandescence mantles for radiating heat and the application thereof."

10,896. *Prov.* Thomas Henry Gyton, 5 Groom-street, Clifton Hill, Vic., house decorator,

"An improvement in and connected with pneumatic wheels."

10,897. *Prov.* George Johnson, 285 Elizabeth-street, Sydney, N.S.W., cabinet-maker,

"Improvements in wire mattresses."

10,898. *Comp.* The D.E. Syndicate Limited, 4 Upper Chadwell-street, Myddelton-square, London, Eng., manufacturers (*assignee of* Alfred Holdsworth, *act. inv.*, 11 Ashley House, Upper Park-street, Barnsbury, London, Eng., metal worker),

"Improved method of treating poor sulphide ores."

10,899. *Prov.* James Dowson Jackson, 10 Green-street, Windsor, Vic., plumber, and John Thomas Metters and Charles Henry Metters, both of 229 Elizabeth-street, Melbourne, Vic., stove manufacturers,

"Improvements in gas or oil cooking stoves."

Applications received, 20th to 26th February—*continued.*

10,900. *Prov.* UNITED SHOE MACHINERY COMPANY, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Charles BENNION, *act. inv.*, Union Works, Belgrave-road, Leicester, Eng., engineer),

"Improvements in or relating to presses."

10,901. *Comp.* John Wilson FELL, and Walter John FELL, both of 119 George-street, Sydney, N.S.W., oil refiners,

"An improved mode of clarifying, bleaching and oxygenating oils, liquids and certain other substances."

10,902. *Comp.* Augustine Thomas MADDEN, 454 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Herbert Stephen MILLS, corner of Jackson Boulevard and Green-street, Chicago, Ill., U.S.A., *assignee of* Henry Konrad SANDELL, *act. inv.*),

"Film winders for moving-picture machines."

10,903. *Comp.* Arthur HOSMER, *act, inv.*, and James Daviss COLLETT, *assignee*, both of Fort Worth, Tarrant, Texas, U.S.A.,

"Railway crossing."

10,904. *Comp.* Louis Richard CHAUVIN, 1 rue Blanche, Paris, France, dentist,

"Improvements in the manufacture of artificial teeth."

10,905. *Prov.* Thomas Fortune PURVES, 21 Windmill-road, Wandsworth, London, S.W., Eng., and John SINNOTT, 74 Lincoln-road, East Finchley, London, N., Eng., electrical engineers,

"Improvements in and connected with electrical insulators for telephone or telegraph wires and the like."

Tuesday, 25th February.

10,906. *Comp.* Frank Wilmot NICHOLLS, 2 Treborough House, Great Woodstock-street, London, Eng., gentleman,

"An improved process for testing for moisture in butter and other substances and apparatus therefor."

10,907. *Prov.* Arthur Bernard BOULTBEE, 130 Flinders-street, Melbourne, Vic., accountant,

"An improved office tickler."

10,908. *Prov.* Tulketh John Stephen TRAVERS, 35 Crimea-street, St. Kilda, Vic., engineer,

"Improved device for holding candles, or lamps, principally for use in mines."

10,909. *Comp.* James Angus MUNRO, 374 Latrobe-street, Melbourne, Vic., wire merchant,

"Improvements in spring wire mattresses or the like."

10,910. *Prov.* Richard Harry GOOLD, 171 Hotham-street, Balaclava, Vic., engineer,

"Flat iron holder."

10,911. *Comp.* Christopher ANGUS, Tallarook, Vic., farm labourer,

"Improved contact means for electrical circuits to be made by rolling stock and otherwise."

10,912. *Comp.* Thomas Ward BROWN, Church Hill, Walhalla, Vic., lamplighter,

"Improvements in bottle can and other labelling means."

10,913. *Comp.* THOMAS-RUSSELL LOCK COMPANY, 511 Los Angeles Trust Building, Los Angeles, Cal., U.S.A., manufacturers (*assignee of* William Harry THOMAS, *act. inv.*, Whittier, Los Angeles, Cal., U.S.A., machinist),

"Door locks."

10,914. *Comp.* George Garibaldi TURRI, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Robert Rudland BODE, *act. inv.*, Honolulu, Hawaii, gentleman),

"Improved method and means for repairing the felted heads of piano hammers."

10,915. *Comp.* BANCROFT-COMPTON REALTY COMPANY, Room 407, Delta Building, Los Angeles, Cal., U.S.A., manufacturers (*assignee of* George Masson WILSON, *act. inv.*, 406 Delta Building, Los Angeles, Cal., U.S.A., mechanical engineer),

"Improvements in wave motors."

10,916. *Prov.* Alexander Elder MAXWELL, 237 Collins-street, Melbourne, Vic., land and financial agent,

"An improved telephone call or number recording apparatus."

Applications received, 20th to 26th February—*continued.*

10,917. *Comp.* George Edward Humphries, 148 Adelaide-road, Wellington, N.Z., builder and contractor,

Application under Sec. 121.

"Improvements in and relating to scaffolding."

10,918. *Prov.* John Dixon, *assignee*, 193 High-street, Prahran, Vic., manufacturer, and Josiah Charles Fredrick Lawrence, *act. inv.*, 46 Green-street, Windsor, Vic., mechanical engineer,

"An improved counter apparatus for washing tumblers, mugs, and like vessels."

10,919. *Comp.* Charles Ryan, Redan-street, Mosman, N.S.W., and Aurum Chambers, 19 Hunter-street, Sydney, N.S.W., teacher of shorthand and typewriting,

"An improved fastener for collars and ties."

Wednesday, 26th February.

10,920. *Prov.* Lewis Henry Hicks, 76 Thompson-street, Williamstown, Vic., artificial limb maker, and Alexander Nott Cooke, 58 Cubitt-street, Richmond, Vic., electro-medical instrument maker,

"An improved toe clip or strap for bicycle pedals."

10,921. *Comp.* Thomas Martin Topp, Richmond, Cal., U.S.A., mining engineer,

"Stamping and grinding mills."

10,922. *Prov.* Clarence Glen Smith, Ardrossan, S.A., agricultural implement maker (*assignee of* Hubert John Jarrett, *act. inv.*, Maitland, farmer),

"An improved machine for gathering and removing stones and stumps."

10,923. *Prov.* John Stanley Pierce, "Balayong," Healesville, Vic., estate agent,

"An improved collar fastener."

10,924. *Comp.* William Gilchrist Taylor, 27 Durham-street, Richmond, Vic., bookkeeper (*communicatee of* Raehse, *act. inv.*, Loebau, Saxony),

"Improved means for the tuning of pianos."

10,925. *Comp.* Fred Bennitt, Barber Building, Joliet, Will, Ill., U.S.A., lawyer (*assignee of* Arthur Smith Dwight, *act. inv.*, 25 Broad-street, New York, U.S.A., and Richard Lewis Lloyd, *act. inv.*, 71 Broadway, New York, U.S.A., engineers),

"Improvements in and relating to apparatus for roasting and sintering ores."

10,926. *Comp.* Alfred Robshaw, 47 Barkly-street, Brunswick, Vic., manufacturer,

"Wave engine."

10,927. *Prov.* Herbert Horatio Witt, manager, and Edward Sargent Stowe, commission agent, both of 36 Claremont-avenue (late Railway-road), Malvern, Vic.,

"Scissors shears and knife sharpener."

10,928. *Prov.* James William Tomlin, Wharf-street, Sydney, N.S.W., sheet metal worker,

"An improved sanitary pan."

10,929. *Prov.* Nathan Harding Harriman, Melrose, Mass., U.S.A., manufacturer (*assignee of* Daniel L. Oulton, *act. inv.*),

"Improvements in internal combustion engines."

10,930. *Comp.* The American Box Ball Company corner of Draper and Van Buren-streets, Indianapolis, Marion, Ind., U.S.A., manufacturers (*assignee of* Daniel H. Talbert, *act. inv.*, 3030 Kenwood-avenue, Indianapolis, Marion, Ind., U.S.A., inventor),

"Improvements in game apparatus."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

10,605. Clark, J. H.
10,621. Hicks, J. W., & Allan, D. L.
10,623. Harkin, P. L.
10,624. Griffiths, W. J.
10,625. Higgins, M. J., & Cakebread, A. R.
10,626. Preston, De M.
10,629. Wearne, J. F.
10,630. Minto, J.
10,632. Lennon, A. P.
10,633. Whelan, C. R.
10,634. Lang, J.
10,635. O'Meara, M. J.
10,636. Baker, A. J.
10,638. Keogh, E. J. (Corbett)
10,639. Layther, J. G.
10,640. Butler, W. T.
10,641. King, C. G.
10,642. Olsen, P.
10,646. Allen, E. H. (Gordon)
10,648. Campbell, W. W. (Haggard & Marcusson)
10,649. Davis, W. H. R.
10,651. Hodgson, T.
10,652. Harkin, P. L.
10,653. Ward, A. A.
10,656. Crawford, W. F.
10,657. May, J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8529. Richard John FRY, *act. inv.*, Barkly-street, Brunswick, Vic., mechanic, and James Alfred COOPER, *assignee*, Elizabeth-street, Melbourne, Vic., ironmonger,

"An improved machine for making and preparing blanks in the construction of horse-shoes." 22nd Feb., 1908.

8765. Alfred James HOBBS, *act. inv.*, 28 Deakin-street, East Brunswick, Vic., and James Roberts JEWELL, *assignee*, 119 Lygon-street, Brunswick, Vic., butchers,

"Improved means for preventing horses running away when left unattended in the streets." 21st Feb., 1908.

8858. Leonard Tasman CHAMBERS and William Eastwood THOMPSON, both of 461 Swanston-street, Melbourne, Vic., manufacturers,

"An improved reinforced concrete post for fencing or other purposes." 25th Feb., 1908.

8928. John Charles MOORE, Amby Downs Station, Amby, S. & W. Railway, Qld., station manager (*nominee of* Francis William BURSTALL, *act. inv.*, Warrnambool Downs, Qld.),

"Improvements in droppers." 21st Feb., 1908.

8945. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* William Cullen STEWART, *act. inv.*),

"Improvements in or relating to pulling-over or like machines used in the manufacture of boots or shoes." 26th Feb., 1908.

9018. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* Thomas Herbert SEELY, *act. inv.*),

"Improvement in lasting machines." 26th Feb., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

9056. Isaac Tyson, Mount Narryer, Murchison, W.A., pastoralist,

"Improved non-refillable bottle." 24th Feb., 1908.

9102. Charles Richlieu Whitfield, brass finisher, and William Robert Harrison, merchant, both of 5 Park-lane, Middlesborough, Yorkshire, Eng.,

"An improved automatic tyre inflator for cycles and other vehicles." 20th Feb., 1908.

9226. Herman Alfred Prosser, Alta Club, Brigham-street, Salt Lake City, Utah, U.S.A., and James Beach Ladd, Glen's Lane, Ardmore, Montgomery, Penn., U.S.A., engineers,

"Improvements in apparatus for charging furnaces." 26th Feb., 1908.

9853. Francis Joseph Spence, South Terrace west, Adelaide, S.A., consulting engineer,

"An improved composition usable as cement, building material, and as a hard durable solid generally." 25th Feb., 1908.

1908.

10,905. Thomas Fortune Purves, 21 Windmill-road, Wandsworth, London, S.W., Eng., and John Sinnott, 74 Lincoln-road, East Finchley, London N., Eng., electrical engineers,

"Improvements in and connected with electrical insulators for telephone or telegraph wires and the like." 25th Feb., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38

1907.

8494. Myers, Francesca
8496. Uren, Kathleen
8497. Buckeridge, G. H.
8503. Bennett, W. F.
8504. Porter, J. M., & Overall, J.
8505. Friend, E. H.
8509. McIlwain, A.
8511. Taylor, H. A., & Pullar, E. J. R.
8513. McKnight, W.
8515. Hicks, L. H., & Cooke, A. N.
8516. Landells, W. G., & Goodall, F.
8517. Varley, W. J. F.
8518. Shuttleworth, J. J.
8521. Labatt, H. J. A.
8522. Cording, C. E. (Glanville)
8523. Martin, A. U. (Noble)
8526. O'Keeffe, J. K. & H.
8527. McFarland, W. J.
8537. Perry, A. A.
8538. More, Jessie
8539. Cook, E. F.

Applications Abandoned, Withdrawn, &c.

1907.

7813. *Comp.* (*Abandoned.*) Thomas Hodkinson, 646 King-street, Newtown, N.S.W., engineer,

"Improvements in apparatus for the manufacture of sash weights."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

7720.*Rentzsch, L. H.
8103.*The Waterworks Lighting & Power Investment Corp. Ld. & Coulson, S. G.
8175. Bowrey, T. & J.
8331. Gordon, C. W.
8332. Warren, J. H. Blades, T., & Wren, J.
8381. Steele, L. E.
8407. Hobbs, A. H.
8473. Stowe, F. E.
8485. McDonald, H. E.
8536. Smith, D. C.
8705. Gair, J.
8768. Chapman, G. A.
8864. Stowe, F. E.
8877. Morris, P. A.
8977.*Bolton, T.
9288. Hedges, P. (Holman)
9487. Dorneth, J.
9783. Fraser, J. & S. E., & Jumeaux, C.
9802. Morison, D. B.
9829.*Spruson, W. J. (Gammeter)
9830.*Spruson, W. J. (Gammeter)
9861.*Wilson, J.
9955.*Bennitt, F. (Dwight & Lloyd)
10,024. Crossley, W. J., & Rigby, T.
10,038. Aktiebolaget Gas-accumulator (Dalén)
10,073. Parris, J.
10,123. Trevellian, F. H.
10,126. Dunne, L.
10,140. Graaff, W.
10,141. Graaff, W.
10,142. Graaff, W.
10,149. Abrams, L. G.
10,167. Gammeter, J. R.
10,171. Ragona, S.
10,175. Kinney, J. R.
10179.*Dow, A.
10,190.*Terry, Theresa
10,199. Turri, G. G. (Gaisman)
10,214. McGlashan, A. H. & A. J.
10,243. Alcorn, J. S.
10,245. Cuming, Smith & Co. Pty. Ld. (Taylor)
10,300. Wilson, A. D.
10,342. Fletcher, R. J.
10,350. Blechynden, J. W.
10,357. Campbell, J. C. L.
10,409. Fairchild, O. H.
10,413. Alford, J. W. G.
10,438. Gersch, A. H.
10,457. Leslie, H. M.
10,459. Lennard, F.
10,521. Brooke, C. M.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

7720. Louis Hermann RENTZSCH, Meissen i/ Saxony, Germany, engineer,

"Improvements in or relating to the manufacture of reinforced tubular or hollow bodies from plastic material."

8103. THE WATERWORKS LIGHTING AND POWER INVESTMENT CORPORATION LIMITED, *assignee*, 99 Cannon-street, London, E.C., Eng., engineering contractors, and Sidney George COULSON, *act. inv.*, 17 Haymarket Chambers, Sheffield, Yorkshire, Eng., coal agent,

"An improved process for solidifying tar."

8977. Thomas BOLTON, Shakespeare-street, Hamilton, Vic., apiculturist and storekeeper,

"Improved means for disinfecting insect destroying and for other like purposes."

9829. Wilfred Joseph SPRUSON, 169 King-street, Sydney, N.S.W., patent attorney (*communicatee of* THE INTERNATIONAL MULTIGRAPH COMPANY, Cleveland, Ohio, U.S.A., manufacturers, *assignee of* Harry Christian GAMMETER, *act. inv.*),

"Improvements in apparatus for printing from type through an ink ribbon."

9830. Wilfred Joseph SPRUSON, 169 King-street, Sydney, N.S.W., patent attorney (*communicatee of* THE INTERNATIONAL MULTIGRAPH COMPANY, Cleveland, Ohio, U.S.A., manufacturers, *assignee of* Harry Christian GAMMETER, *act. inv.*),

"Improvements in typographical printing machines."

9861. Joseph WILSON, 124 Manchester-street, Christchurch, N.Z., printer and stationer,

"An improved letter file."

Complete Specifications Accepted—*continued.*

9955. Fred Bennitt, Barber Building, Joliet, Will, Ill., U.S.A., lawyer (*assignee of* Arthur Smith Dwight, *act. inv.*, 25 Broadstreet, New York, U.S.A., and Richard Lewis Lloyd, *act. inv.*, 71 Broadway, New York, U.S.A., engineers),

"Improvements in and relating to processes of roasting and sintering ores."

10,179. Alexander Dow, 104 West 42nd-street, New York, U.S.A., mechanical engineer,

"Improvements in and relating to pneumatic tyres, with particular reference to means for sealing and healing punctures, which may occur in same."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.2	Setting out curved polygons of constant diameter for crescent motors. (60.7; 67.7; 68.7)	Lennard	10,459
00.5	Ship's course recorder; position of free compass impressed intermittently on strip, or continuously recorded by actinic pencil. (56.6; 92.0)	Fraser	9783
00.7	Lighting up gas buoys, &c., by thermostats having light-reflecting and absorbing surfaces; three devices; mechanical, electric and pneumatic. (22.8; 82.1)	Dalén	10,038
06.7	Resistance coils and frame for heating kettles. (24.5)	Smith	C.a.P. 8536

Group 06.—Electric Lamps.

06.8	Vertical shaft furnace; resistances across hearth; feed hoppers, &c., for CS_2. (08.6; 16.30)	Taylor	10,245

Group 08.—Mineral Chemistry.

08.6	Synthesis of CS_2 in resistance furnace. (06.8; 16.30)	Taylor	10,245
08.9	Ammonia from fuel gas; counter current circulation of air gas and acid wash liquor. (21.2; 21.5; 29.5). (Section 121) ...	Crossley	10,024

Group 12.—Hyd. and Pneu. Separation.

12.2	Upward classifier; reversed cones with central guide tube ...	Wilson	10,300
12.5	Separating carbon from zinc residues, &c., by oiling and by acid flotation	Chapman	C.a.P. 8768

Complete Specifications Accepted—*continued.*

Group 15.—Metallurgy in Furnaces.

15.1	Pyritic sintering of sulphides; upward or downward air currents, agitation being prevented. (15.2; 16.1; 16.2; 16.8) ...	Dwight	9955
15.2	Pyritic sintering of sulphides; upward or downward air currents, agitation being prevented. (15.1; 16.1; 16.2; 16.8) ...	Dwight	9955

Group 16.—Furnaces.

16.1	Diagrams of sintering kilns for sulphide ores. (15.1; 15.2; 16.2; 16.8)	Dwight	9955
16.2	Continuous pyritic sintering muffle; intermittent feed of carrier-grids. (15.1; 15.2; 16.1; 16.8)	Dwight	9955
16.30	Vertical shaft furnace; resistance across hearth; feed hoppers, &c.; for CS_2. (06.8; 08.6)	Taylor	10,245
16.8	Continuous pyritic sintering muffle; intermittent feed of carrier-grids. (15.1; 15.2; 16.1; 16.2)	Dwight	9955

Group 18.—Stones, Cement, &c.

18.5	Forcing fibrous plaster, &c., into expanded metal reinforcement by centrifugal action. (81.2)	Rentzsch	7720
18.7	Solidifying refined tar by mixture by sulphuric acid. (20.6; 28.6)	Coulson	8103

Group 20.—Solid and Liquid Fuel.

20.6	Solidifying refined tar by mixture of sulphuric acid. (18.7; 28.6)	Coulson	8103

Group 21.—Gas for Light and Heat.

21.2	Ammonia from fuel gas; counter current circulation of air gas and acid wash liquor. (08.9; 21.5; 29.5.) (Section 121) ...	Crossley	10,024
21.5	Plant diagram; washing ammonia from producer gas; heating air and cooling gas, &c. (08.9; 21.2; 29.5.) (Section 121) ...	Crossley	10,024

Group 22.—Candles and Lamps.

22.8	Lighting up gas buoys, &c., by thermostats having light-reflecting and absorbing surfaces; 3 devices; mechanical, electric and pneumatic. (00.7; 82.1)	Dalén	10,038

Group 24.—Domestic Heating; Cooking.

24.5	Kettle with tube or chamber for electric heater. (06.7) ...	Smith	C.a.P. 8536
24.5	Steam heated cooking trough for fruit canning; chain traverser. (34.7)	Campbell	10,357

Group 25.—Washing; Cleaning; Brushes.

25.5	Sprinkling, scrubbing and mopping floors; fixed brush; rotary mop, &c.	Terry	10,190
25.8	Whitewash brush; fibres folded through perforated stock; wire band	Abrams	10,149

Group 28.—Distillation and Filtration.

28.1	Conical ribbed frame for supporting filter papers in funnels ...	Brooke	10,521
28.2	Polygonal frame of radial cells; horizontal axis; central distribution by cocks and tappets	Fairchild	10,409
28.2	Circular slime frame of invertible filter cells; central rotary distributors	Leslie	10,457
28.6	Tar plant; still; sulphuric acid mixer for solidifying. (18.7; 20.6)	Coulson	8103

Group 29.—Refrigeration.

29.5	Plant diagram; washing ammonia from producer gas; heating air and cooling gas, &c. (08.9; 21.2; 21.5.) (Section 121) ...	Crossley	10,024

Complete Specifications Accepted—*continued.*

Group 31.—Cultivation.

31.5	Pipe connexion with spring covers and chemical box for pest destroying, &c. (86.2)	Bolton	C.a.P. 8977
31.5	Use of chlorates and chromates for weed destroying	Fletcher	C.a.P.10,342

Group 32.—Harvesting.

32.7	Flexible and adjustable G.C.I. roof for haystacks; wood frame. (81.3)	Dunne	10,126

Group 33.—Tropiculture.

33.4	Attaching cork tip strips to filled paper cigarettes	Ragona	10,171

Group 34.—Cereals, Vegetables, Fruit.

34.7	Fruit canning; rotating can frames in cooking trough; chain traverser. (24.5)	Campbell	10,357

Group 35.—Meat Food.

35.3	Grading carcases by net and gross weights. (56.2; 56.8) ...	Bowrey	C.a.P. 8175

Group 39.—Harness; Animal Power.

39.5	Rugs; over lapping rear flaps; fastenings	Gair	C.a.P. 8705

Group 43.—Wearing Apparel.

43.7	Safety razor strop; pivoted rocking blade-holder; reciprocating frame, &c. (75.2)	Gaisman	10,199

Group 45.—Furniture.

45.3	Hooded work-table, with air settler for paint spraying, &c. (68.9; 79.4)	Graaff	10,141

Group 46.—Upholstery.

46.6	Adjustable swinging bracket for blinds, &c., lateral vertical axis (78.9)	Alford	10,413

Group 47.—Leather and Plastics.

47.5	Vulcanizing rubber tubes; drawn through hot mould by endless guard and carrier wires. (74.4)	Gammeter	10,167

Group 48.—Paper; Bookbinding.

48.8	Letter file; parallel clips with racks and jamming cam axle ...	Wilson	9861

Group 50.—Typographic Printing.

50.3	Co-axial cylinder magazine, type-assembler, and printing-drum; for multigraph printing through ink ribbon. (50.4; 50.7) ...	Gammeter	9829
50.4	Co-axial cylinder magazine, type-assembler, and printing drum; for multigraph printing through ink ribbon. (50.3; 50.7) ...	Gammeter	9829
50.4	Cylinder-printing machine for imitating typewriting. (50.7) ...	Gammeter	9830
50.5	Assembling and adjusting typograph matrix bars in two directions.	Dorneth	9487
50.7	Co-axial cylinder magazine, type-assembler, and printing-drum; for multigraph printing through ink ribbon. (50.3; 50.4) ...	Gammeter	9829
50.7	Printing from type, assembled on a grooved cylinder, through an ink ribbon; platen drum; paper and ribbon feed. (50.4) ...	Gammeter	9830

Complete Specifications Accepted—*continued.*

Group 54.—Commerce.

54.5 Cash till; duplicate MS. record on bands fed by drawer, &c. (55.5) Trevellian 10,123

Group 55.—Money.

55.5 Cash till; duplicate MS. record on bands fed by drawers, &c. (54.5) Trevellian 10,123

Group 56.—Counting, Measuring, Weighing.

56.2 Circular dial with duplicate proportional scales indicating gross and net weights. (35.3; 56.8) Bowrey C.a.P. 8175

56.6 Ship's recorder; paper strip feeding; compass course marking, by ink dots or by light. (00.5; 92.0) Fraser 9783

56.8 Swing-damping cataract for carcase weighing; proportional scales. (35.3; 56.2) Bowrey C.a.P. 8175

Group 57.—Packing, Compressing, Bottling.

57.3 Balanced press boxes; lever and lifting runway for upper box ... McDonald C.a.P. 8485

57.3 Two-box wool press; chain traction by levers and double hooks; box fastenings Blechynden 10,350

Group 60.—Mechanism; Lubrication.

60.7. Flexible and rocking packings for crescent motors. (00.2; 67.7; 68.7) Lennard 10,459

Group 61.—Governors.

61.7 Axial pilot valve to ease main valves under pressure. (74.7) ... Stowe C.a.P. 8473

Group 62.—Power Storage.

62.5 Pneumatic plant; air accumulators for paint spraying. (68.9; 79.4) Graaff 10,140

Group 63.—Steam Power.

63.7 Spring closed taps to water gauges, released on fracture of tube. (88.0) Parris 10,073

63.8 Wash-out condenser air pumps; scavenging ports, &c.; 6 designs. (69.4) Morison 9802

Group 64.—Cranked Engines.

64.8 Multi-cylinder explosion engine; fixed crank; reduction of weight per H.P. (66.2; 66.5; 66.7) Morris C.a.P. 8877

Group 65.—Reciprocating Motors.

65.4 Pneumatic motors operating signals and brakes on cars from track. (96.6; 98.2; 99.2) Warren 8332

65.4 Pneumatically depressed tread wheels for operating switches. (98.2) Steele C.a.P. 8381

Group 66.—Gas and Oil Engines.

66.2 Multi-cylinder explosion engine; fixed crank; reduction of weight per H.P. (64.8; 66.5; 66.7) Morris C.a.P. 8877

66.5 Annular muffler round multi-cylinder engine. (64.8; 66.2; 66.7) ... Morris C.a.P. 8877

66.7 Valve gear for multi-cylinder rotative engine. (64.8; 66.2; 66.5) Morris C.a.P. 8877

66.7 Reversible lobed motors; two-three pair internal gearing; rocking packings, &c. Alcorn 10,243

Complete Specifications Accepted—*continued.*

Group 67.—Turbines; Rotary Motors.

67.7	Crescent chamber; hinged abutment; flexible surface on rotor, &c. (68.7)	Kinney	10,175
67.7	Triple-lobed crescent chamber; pair of transverse pistons of constant length; packings. (00.2; 60.7; 68.7)	Lennard	10,459

Group 68.—Pumps for Liquids.

68.7	Crescent chamber; hinged abutment; flexible surface on rotor, &c. (67.7)	Kinney	10,175
68.7	Triple-lobed crescent chamber; pair of transverse pistons of constant length; packings. (00.2; 60.7; 67.7)	Lennard	10,459
68.9	Pneumatic plant; air accumulators for paint spraying. (62.5; 79.4)	Graaff	10,140
68.9	Hooded work-table, with air settler for paint spraying. (45.3; 79.4)	Graaff	10,141
68.9	Paint or disinfectant container for pneumatic spraying; air-jet stirrers; trapped filling plug, &c. (79.4; 86.2)	Graaff	10,142

Group 69.—Blowers and Compressors.

69.4	Wash-out condenser air pumps; scavenging ports, &c.; 6 designs (63.8)	Morison	9802

Group 74.—Pipes and Fittings.

74.4	Continuous vulcanizing plant for rubber tubes. (47.5)	Gammeter	10,167
74.7	Axial pilot valve to ease main valves under pressure. (61.7) ...	Stowe	C.a.P. 8473
74.7	Spring support for valve-spindle nuts	Stowe	C.a.P. 8864

Group 75.—Abrading and Polishing.

75.2	Safety razor strop; pivoted rocking blade-holder; reciprocating frame, &c. (43.7)	Gaisman	10,199

Group 78.—Structural Hardware.

78.9	Adjustable swinging bracket for blinds, &c.; lateral vertical axis. (46.6)	Alford	10,413

Group 79.—Paints, Adhesives, &c.

79.4.	Pneumatic plant; air accumulators for paint spraying. (62.5; 68.9)	Graaff	10,140
79.4	Hooded work-table, with air settler for paint spraying, &c (45.3; 68.9)	Graaff	10,141
79.4	Paint or disinfectant container for pneumatic spraying; air-jet stirrers; trapped filling plug, &c. (68.9; 86.2)	Graaff	10,142

Group 81.—Buildings, Streets, Fencing.

81.2	Moulding reinforced tubular bodies in plastic materials by centrifugal action. (18.5)	Rentzsch	7720
81.3	Flexible and adjustable G.C.I. roof for haystacks; wood frame. (32.7)	Dunne	10,126

Group 82.—Harbours, Foundations.

82.1	Lighting up gas buoys, &c., by thermostats having light-reflecting and absorbing surfaces; 3 devices; mechanical, electric and pneumatic. (00.7; 22.8)	Dalén	10,038

Group 84.—Excavation and Dredging.

84.3	Hinged under-hung ballast spreader; lifting gear; *see* 3132/05. (96.1; 98.4)	McGlashan	10,214

Complete Specifications Accepted—*continued.*

Group 85.—Mining.

85.8 U-bolt chuck for rock drills; half bushes; safety wedge Holman C.a.P. 9288

Group 86.—Sanitation.

86.2 Pipe connexion with spring covers and chemical box for disinfecting, &c. (31.5) Bolton C.a.P. 8977

86.2 Paint or disinfectant container for pneumatic spraying; air-jet stirrers; trapped filling plug, &c. (68.9; 79.4) Graaff 10,142

Group 88.—Salvage, Accidents.

88.0 Spring closed taps to water gauges; released on fracture of tube. (63.7) Parris 10,073

Group 92.—Marine Propulsion.

92.0 Ship's course recorder; position of free compass impressed intermittently on strip, or continuously recorded by actinic pencil (00.5; 56.6) Fraser 9783

Group 93.—Road Vehicles.

93.1 Convertible drag or four-wheeled waggon Hobbs 8407

93.7 Curved metallic swingle bar; loop and hook attachments ... Gersch 10,438

Group 94.—Cycles.

94.9 Pedal instep-strap passing through loop on toe-clip Gordon C.a.P. 8331

Group 96.—Rolling Stock.

96.1 Hinged under-hung ballast spreader; lifting gear; *see* 3132/05. (84.3; 98.4) McGlashan 10,214

96.6 Pneumatic motors operating signals and brakes on cars from track. (65.4; 98.2; 99.2) Warren 8332

Group 97.—Wheels.

97.87 Long fibre (feathers, cotton, &c.) floated in flour and water; 3 methods Dow 10,179

Group 98.—Permanent Way.

98.2 Pneumatic car signals; catches on track. (65.4; 96.6; 99.2) Warren 8332

98.2 Lock-up switch and signal gear, with treadle rails; operating-wheels are depressed on the approaching train. (65.4) Steele C.a.P. 8381

98.4 Hinged under-hung ballast spreader; lifting gear *see* 3132/05. (84.3; 96.1) McGlashan 10,214

Group 99.—Signalling.

99.2 Pneumatic motors operating signals and brakes on cars from track. (65.4; 96.6; 98.2) Warren 8332

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

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A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne: price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6834. A. G. Taylor. *Adjustable spanner.* Class 72.1.

6866. G. Margitich. *Sealing mail bags.* Classes 54.3; 77.7.

7478. Haskard and Hillam. *Exterminating vermin by fumes.* Classes 38.9; 69.4; 97.85.

1907.

7749. F. I. & W. H. Dutch. *Threshing peas.* Class 32.6.

7786. Hines and Coleman. *Distributing liquids on roads.* Classes 74.9; 86.5; 95.9.

7820. Campbell and Golding. *Variable speed pulley.* Classes 60.2; 62.7; 95.9.

7931. Parsons and Morton (J. C. & B. Wright). *Lasting boots.* Class 44.5.

8045. E. N. Waters (Scharf). *Linotype machines.* Class 50.5.

8053. P. B. Jagger. *Concrete slabs.* Classes 18.5; 60.3.

8124. Thermos Gesellschaft m.b.H. (Burger). *Double-walled vessels.* Classes 19.6; 29.7; 57.8; 57.9.

8137. C. F. F. Allan. *Bakers' ovens.* Class 24.2.

8153. Wade and Vaughn. *Artificial lumber.* Classes 18.3; 19.2; 81.2.

8177. Oneida Community Ltd. (Collins and Wright). *Spring-jaw traps.* Class 38.7.

8178. Schmidt and Desgraz. *Zinc furnace.* Classes 16.2; 17.1; 17.3.

8212. W. S. Simpson. *Removing sulphur from coke.* Classes 16.2; 20.2.

8232. B. A. O. Prollius. *Insertion plates of centrifugals.* Classes 36.3; 73.8.

8333. J. McGrath. *Lamp reflectors.* Classes 22.5; 96.8.

8377. R. Sylvester. *Agricultural machines.* Classes 32.6; 66.5; 95.3; 95.5; 95.7.

8380. W. Dunz. *Laying flooring.* Classes 18.3; 81.7.

8403. Ossart and Verge. *Optical lens.* Classes 00.2; 00.4; 75.3.

8437. E. H. Lawton. *Advertising device.* Classes 49.3; 54.1.

8442. Compagnie Parisienne des Voitures Electriques (Procedes Krieger). *Commutators and brush carriers.* Class 02.2.

8519. W. Baldwin. *Waterproofing floors and roofs.* Classes 18.7; 81.4.

8551. H. E. Brown. *Railway brakes.* Class 96.6.

Printed Specifications Published—*continued.*

1907.

8552. BAYNE and SUBERS. *Pneumatic tyre cases, &c.* Classes 41.2; 47.5; 58.0; 60.5; 97.83.

8571. PARKER-CLARK ELECTRIC CO. (CLARK). *Incandescent lamp filaments.* Class 06.4.

8610. A. L. DEAN. *Treatment of ores.* Classes 15.1; 15.5; 16.1.

8771. R. H. CLARK. *Go-carts.* Class 93.2.

8991. J. NICOL. *Embrocation* Class 87.1.

9064. G. LOEBBECKE. *Craped paper bag.* Classes 48.3; 48.5.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

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Applications in respect of which Complete Specifications have been Accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
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	1907.				
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NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1902.

12,666. "Improvements in extracting zinc and other sulphides from their ores."

Assignment of the whole *by* Guillaume Daniel DELPRAT *to*

POTTER'S SULPHIDE ORE TREATMENT LIMITED. Dated 27th Nov., 1907. Registered 24th Feb., 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1903.

No.	Name.	Paid up to—
7565 ...	McDonnell, A. J., Goddard, H. A., Chilvers, W. G., Borton, M. W., Marks, H. J., Boys, H. A., Melvin, J., & Crittenden, G.	19th Nov., 1908

1904.

7670 ...	Livingstone, F. ...	29th Feb., 1912

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS. 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/NR.; or as the case may be.

Assignment Registered.

1902.

8081/5937. "Improvements in extracting zinc and other sulphides from their ores."

Assignment of the whole *by* Francis Hugh Snow *to*

Potter's Sulphide Ore Treatment Limited. Dated 15th Oct., 1907. Registered 20th Feb., 1908.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1904.

No	Name.	Paid up to—
4800	Westralian Powell Wood Process Ld.	9th Feb., 1911
4819	Livingstone, F.	4th Mar., 1911
4847	Sparrow, R.	29th Apr., 1911

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Commissioner of Patents

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or			
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4. For preparation of additional patent for sealing	2	10	0
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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
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10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
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Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
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22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

b 04 Stat

Vol. 8.] 1908. [No. 9.
(WITH SUPPLEMENTS.)
Tuesday, 10th March.

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THE

Australian Official Journal of Patents.



Notices.

Applications Received, 10,931 to 10,983.

Commonwealth Proceedings.

States Proceedings.

Vol. 6.—Applications and Proceedings, 1907.
Supplement—Monthly Indexes, February, 1908.

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C.2831.

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Statutory Rules 90/*07*		3d.
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NOTICE IS HEREBY GIVEN that GUY de BECHI and REGINALD WYNN RUCKER, the grantees of Australian Patent No. 5952, dated the 21st May, 1906, for

"Improvements relating to the treatment of complex sulphide ores,"

are prepared to satisfy all reasonable requirements of the public respecting said Invention.

Applications in regard to the exploitation, manufacture, or licence addressed to **EDWARD WATERS AND SONS Patent Attorneys, 414-418 Collins Street, Melbourne,** will receive immediate attention.

NOTICE IS HEREBY GIVEN that WILLIAM FRASER CLAUGHTON KELLY, B.A., and JOHN ARTHUR BENTHAM, the grantees of Australian Patent No. 4852, dated the 19th December, 1905, for **"Improvements relating to photographic dry plates, films or the like,"** are prepared to satisfy all reasonable requirements of the public respecting said invention.

Applications in regard to the exploitation, manufacture or licence addressed to **EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne,** will receive immediate attention.

NOTICE IS HEREBY GIVEN that WILLIAM DAVID QUIGLEY and JOSEPH HENRY GAY, the grantees of Australian Patent No. 2731, dated 15th March, 1905, for **"Spring roll for leather splitting machines,"** are prepared to satisfy any demand for the said invention and all requirements of the public respecting same in the Commonwealth.

Further information and particulars obtainable from—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.



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Associate Work.

P. M. NEWTON, Patent Attorney

MARKET BUILDINGS,

437 COLLINS ST., MELBOURNE.

And at Hobart and Launceston, Estab. 1895.

The Australian Official Journal of Patents

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VOL. 8.] 10TH MARCH, 1908. [No. 9.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICE.

Vol. 6.—Applications and Proceedings, 1907.

Notice to Librarians.

This Volume is now completed by the issue of the Title and Contents sheets, &c., with directions for the collation and binding of the Volume and Supplements.

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C.2831.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 27th February to 4th March, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 27th February.

10,931. *Comp.* Richard LONG, Bluff-road, Sandringham, Vic., engineer,

"Improvements in screw propellers."

10,932. *Prov.* Harry Edward BRITTIN, *act. inv.*, King William-street, Kent Town, S.A., brewer, and Seth FERRY, *assignee*, Tattersall's Club, Grenfell-street, Adelaide, S.A., gentleman,

"An improved buckle."

10,933. *Comp.* Walter WASS, *act. inv.*, 153 Pitsmoor-road, Sheffield, Yorkshire, Eng., engineer, and THE TRADES UNIONISTS SHEEP SHEAR CO-OPERATIVE SOCIETY LIMITED, *assignee*, 19 Carver-street, Sheffield, Yorkshire, Eng., manufacturers,

"Improvements in the construction of machines for shearing sheep and the like animals."

10,934. *Prov.* William WALKER, Hooper-street, Randwick, N.S.W., consulting engineer,

"An improved method of and means for destroying rabbits."

10,935. *Prov.* Thomas BYERS, 36 Ardoch-street, Essendon, Vic., clerk,,

"Improved fastening device."

10,936. *Prov.* Charles Duncan MCDIARMID, 9 Albert-street, Windsor, Vic., electrician and motor expert,

"Flexible spring motor and vehicle tyre."

10,937. *Prov.* Benjamin PARKER, grazier, and Joseph PARKER, mine-owner, both of Plenty-road, Preston, Vic.,

"Improved apparatus to facilitate cutting loaves of bread."

Friday, 28th February.

10,938. *Prov.* Julius Frederick GRANT, Fourteenth-street, Cobar, N.S.W., engine-driver and miner,

"Improved star drill."

10,939. *Prov.* William Francis DUGINS, Peel-street, Kew, Vic., engineer,

"Improved portable propelling apparatus for boats."

10,940. *Prov.* Patrick GLEESON, Tempy, Mildura Line, Vic., labourer,

"Earth gripping apparatus for traction engines and such like."

10,941. *Prov.* Sydney MOODY, Plenty-road, Preston, Vic., mechanical engineer,

"Improvements in cycle handle-bar stems and in lamp brackets for use therewith."

10,942. *Prov.* Hugh FULTON and Alexander MCGAVIN, both of 37 King-street, Perth, W.A., manufacturers,

"Water jet blast cooler and ventilator."

10,943. *Comp.* Léon GERARD, 102 Avenue de Tervueren, Brussels, Belgium, consulting engineer,

Application under Sec. 121.

[Date applied for 19th Apr., 1907, being date of application in Belgium, No. 199,414/07. Application also made in Eng.; in Luxembourg, 5th Dec., 1907, No. 7170; in Austria, 5th Dec., 1907; in Hungary, 10th Dec., 1907; in Russia, 10th Dec., 1907.]

"Improvements in or relating to apparatus for producing and utilising electrical effluvia."

Applications received, 27th February to 4th March—*continued.*

10,944. *Prov.* James Charles Hancock, 57 George-street, Perth, W.A., bootmaker,

"Rubber stud and heel plate for boots and shoes."

10,945. *Prov.* William Timbrell Clarke, Stock Exchange Buildings, St. George's-terrace, Perth, W.A., consulting engineer,

"An improved rubber attachment for the heels of boots or shoes."

10,946. *Prov.* Robert Watchorn, "Claremont," Leopold-crescent, Surrey Hills, Vic., retired bricklayer and builder,

"Lift for fire escape and other purposes."

10,947. *Prov.* Augustus James Wilkinson, 364 Collins-street, Melbourne, Vic., commission agent,

"An improved clip or fastening for adjusting venetian and other like blind cords."

10,948. *Prov.* Albert Richard Stoneman, Williamstown, Kalgoorlie, W.A., mill-hand,

"Improved vacuum filtering machine."

10,949. *Prov.* Joseph Henry Fienberg, 46 Elizabeth-street, Sydney, N.S.W., cabinet-maker,

"The Lux fan advertising programme."

10,950. *Prov.* Archibald Ernest William Watts, Mascotte, Wellington-street, Bondi, N.S.W.,

"Marblelite."

10,951. *Prov.* John Glen Newman, 100 Great Buckingham-street, Redfern, N.S.W., draughtsman, and Samuel Joshua Head, Pymble, N.S.W., woolbroker,

"Improvements in the control of fluid pressure actuated transmission gearing."

10,952. *Prov.* Harold William Tayler, traveller, and Albert Victor Douglas Myers, tailor, both of Netherland Consulate, Norwich Chambers, Hunter-street, Sydney, N.S.W.,

"Paper kit bag."

10,953. *Prov.* Emily Caroline Winstanley, 119 Brunswick-road, East Brunswick, Vic., married woman (*assignee of* Alfred Allen Winstanley, *act. inv.*, 119 Brunswick-road, East Brunswick, Vic., produce merchant),

"A machine for removing grain from sheaves, usable also with a winnower."

10,954. *Prov.* Alfred Jarrett, 13 Broadway, Glebe, N.S.W., lamp-maker and sheet-metal worker,

"An improved cutting device to facilitate the attachment of pumps to kerosene tins and the like."

Saturday, 29th February.

10,955. *Prov.* Thomas Smith, Leichardt, Vic., farmer,

"Improvements in cultivator tines."

Monday, 2nd March.

10,956. *Comp.* George Peacock Innes, 141 York-street, Sydney, N.S.W., engineer,

"Improvements in automatic air valves for carburetters."

10,957. *Comp.* William Bennet, 91a Princes-street, Dunedin, N.Z., bootmaker,

"Improved renewable soles and interchangeable heels for boots and shoes."

10,958. *Comp.* Joseph Lindsay Schmidt, "Lisava," 111 New South Head-road, Rushcutter Bay, N.S.W., chemical engineer,

"Apparatus for charging, generating, cooling, washing, filtering and drying acetylene."

10,959. *Prov.* Charles Joshua Hall, 107 Queen's Bridge-street, South Melbourne, Vic., manufacturer,

"An improved convertible seat and parcel-carrier for go-carts and the like."

10,960. *Comp.* Robert Thorn Haines, "Glen-Etta," 5 Union-street, Windsor, Vic., scientific expert,

"Improvements in washing machines."

10,961. *Prov.* William Rumsey Williams, Howley Mines, Brocks Creek, *viâ* Port Darwin, S.A., caretaker,

"Improvement in the attachment of hand grips to their shanks specially applicable for bicycle handles."

Applications received, 27th February to 4th March—*continued.*

10,962. *Comp.* John Moir MITCHELL, St. Lucia, Toowong, Qld., woven wire fencing manufacturer,

"Loom gearing for woven wire fence machine."

10,963. *Prov.* Andrew Frederick CROSSE, Frankfort, Pilgrims Rest, Transvaal, S.Af., metallurgist,

"Improvements in the extraction of gold and silver from slimes, and in means therefor."

10,964. *Prov.* Andrew Frederick CROSSE, Frankfort, Pilgrims Rest, Transvaal, S.Af., metallurgist,

"Improvements in the treatment of cupriferous ores containing gold and silver."

10,965. *Prov.* Michael RAFFERTY, 359 Harris-street, Pyrmont, N.S.W., fireman, and James RAFFERTY, 26 Arthur-street, Leichhardt, N.S.W., manufacturer,

"Improved means for the consumption of smoke in boiler and other furnaces."

Tuesday, 3rd March.

10,966. *Prov.* Arthur BECK, Oriental Hotel, Collins-street, Melbourne, Vic., engineer,

"Furnace for treatment of metal ores and other materials."

10,967. *Prov.* Thomas WARNER, 66 Freeman-street, North Fitzroy, Vic., joiner, and Jaan KANNULUIK, 306 Queen-street, Melbourne, Vic., furniture and cabinet maker,

"Improvements in and connected with safety appliances for lifts or elevators."

10,968. *Prov.* James Henry GRANT, Wodonga, Vic., metallurgist,

"An improved method of applying poisonous fumes to the burrows or warrens of rabbits and other like animals for destroying the same."

10,969. *Prov.* James Henry GRANT, Wodonga, Vic., metallurgist,

"An improved apparatus for applying poisonous fumes to the burrows or warrens of rabbits and other like animals for destroying the same."

10,970. *Prov.* Otto NAGEL, Croydon Junction, Maryborough, Qld., dairyman,

"The pioneer posthole digger."

10,971. *Prov.* August Gottlieb CISEWSKI, c/o Frederick Ketels, Boolarra P.O., Vic.,

"Progressive washing machine."

Wednesday, 4th March.

10,972. *Prov.* William Rowland WILSON, Gladstone-road, Mile End, S.A., window dresser,

"An improved adjustable holder for price tickets, show cards and the like."

10,973. *Comp.* Edward Needham WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* LINOTYPE AND MACHINERY LIMITED, 188 and 189 Fleet-street, London, Eng., *assignee of* Thomas Merrifield NORTH, *act. inv.*, 188 and 189 Fleet-street, London, Eng., engineer),

"Improvements in printing machines."

10,974. *Comp.* Carl Friedrich Martin Christian ERHARDT, manufacturer's agent, of C. Erhardt & Co. Limited, 26 Southwark Bridge-road, London, Eng.,

"Improvements in cuff protectors."

10,975. *Comp.* John HUTCHINGS, Capel House, 62 New Broad-street, London, Eng., mechanical and mining engineer,

Application under Sec. 121.

[Date applied for 12th Mar., 1907, being date of application in Great Britain, No. 5978/07.]

"Improvements in and relating to rock-drills or boring-tools."

10,976. *Prov.* James Francis CURTIN, 409 Lygon-street, Carlton, Vic., builder,

"Improved templet for marking scribes and returns."

10,977. *Prov.* Leonard Arthur FOSBERY, Wagga Wagga, N.S.W., agent,

"Automatic counter for, or recorder of, telephone messages."

10,978. *Prov.* Leo NELKEN, 82 William-street, Melbourne, Vic., inventor,

"Improvements in shirts."

Applications received, 27th February to 4th March—*continued.*

10,979. *Prov.* John William Henry French and Thomas Watson Laidlay, both of 24 Blenheim-street, East St. Kilda, Vic., piano experts,

"Improvements in engines having a reciprocating piston and in the means of imparting rotatory motion to a driving shaft therefrom."

10,980. *Comp.* Paul Richert, Bernburger Strasse 18, Berlin S.W. 11, Germany, engineer,

"Improvements in indicating apparatus for passenger fare indicators."

10,981. *Prov.* Jack Cornell, 51 Cheetham-street, Kalgoorlie, W.A., fitter,

"A rotary valve for rock drills and valve chest for same."

10,982. *Prov.* Daniel Mitchell Barnett, 111 Flinders-lane, Melbourne, Vic., cabinetmaker,

"An improved box for containing snooker balls."

10,983. *Prov.* James Moyle, South-street, Fremantle, W.A., engineer,

"Improved metal polish."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,388 Donohue, *Francis Joseph, 28 Hamilton-street, Sydney, N.S.W.*
An improved tile drying crate.

10,434. Sutcliffe, A., & Chapman, G.

10,437. Felstead, J. E. (Powell)

10,628. Ellis, J. C.

10,658. Hogan, M. J.

16,659. Reilly, J. G.

10,660. Parker, J.

10,662. Cullen, J. F.

10,663. Needham, J. T.

10,664. Willcocks, C. E.

10,665. Deutschmann, R. H.

10,667. Berger, A. W. H.

10,669. Bronner, A. F., Quick, A. A., & Spencer, C. J.

10,670. Austral Mfg. Co. Prop. Ld. (Gibson)

10,671. Varley, W. J. F.

10,672. O'Hare, J. J.

10,675. Moody, S.

10,676. Edwards, M. F., & McGinness, J. P.

10,680. Houlden, R.

10,686. Sparrow, F. & R.

10,687. Palmer, W.

10,692. Short, Edgar L.

10,693. Henry, J. E.

10,694. Best, H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8625. William Pascoe Rodda, 55 Raglan-street, East St. Kilda, Vic., mining engineer,

"An improved boot or shoe attachment to prevent slipping." 2nd Mar., 1908.

8637. William Wyatt, *act. inv.*, 269 Pitt-street, Sydney, N.S.W., commercial traveller, and Alfred Newson, *assignee*, commercial traveller, care of Messrs. Lamb and Todd, Victoria-street, Wellington, N.Z.,

"Improvements in wedges for securing the handles of axes, hammers and other tools and implements." 3rd Mar., 1908.

8832. David William Ladner Taskis, Mullengandra, N.S.W., farmer,

"Improvements in sheep shearing machines." 28th Feb., 1908.

8840. George Johnson and Frederick James McLaren, both of High-street, Fremantle, W.A., tobacconists,

"Removable safety guard for razors." 28th Feb., 1908.

8876. John Frederick Brandt, 422 and 424 Elizabeth-street, Melbourne, Vic., manufacturer,

"An improved pump for filling lamps and similar purposes." 29th Feb., 1908.

8883. Charles Newman, *act. inv.*, 4 George-street, Ballarat East, Vic., miner, and Robert Manuel Hamly Stoot, *assignee*, 203 Brougham-street, Ballarat, Vic., manufacturer,

"Improvements in apparatus for the recovery of gold and other precious metals from their ores." 4th Mar., 1908.

8884. Gustav August Ferdinand Altmann, *act. inv.*, farmer, and Henry Alfred Wigzell, *assignee*, manufacturers' agent, both of Quorn, S.A.,

"An improved chaff cutting machine." 4th Mar., 1908.

8901. Thomas McGuire Swinton, 51 Leslie-street, East St. Kilda, Vic., tinsmith and ironworker,

"An improved feed appliance for mangers." 3rd Mar., 1908.

9007. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* William Amber Reed, *act. inv.*, Chelsea, Suffolk, Mass., U.S.A., machinist),

"Improvements in or relating to abrading devices." 27th Feb., 1908.

9052. George Philip Dalcam Johns, Cavendish-street, Semaphore, S.A., engineer,

"Improvements in funnels of sound recording and reproducing machines." 3rd Mar., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

9150. Theodore Jesse Hoover, 62 London Wall, London, E.C., Eng., and Henry Livingstone Sulman, 44 London Wall, London, E.C., Eng., metallurgists,

"Improvements in or relating to ore concentration." 4th Mar., 1908.

10,530. Benjamin Walter Benn, Woorayl Vale, Mirboo, South Gippsland, Vic., farmer,

"Improvements in milking apparatus." 3rd Mar., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8541. Frost, E.
8542. Barker, T. N.
8546. Olson, S. P.
8548. Gibson, R. N.
8550. Holloway, F. E.
8554. Turner, G. B.
8557. Jones, D., & Morres, L. B.
8560. Stephenson, A. A., & Dickson, R. W. S.
8568. Parker, E. H.
8574. McKay, H. E.
8575. Fossey, C. H. L., & Batmore, F. N.
8578. Smith, F. W.
8581. Balfour, E. D. J.
8583. Hudson, J. G. (McKeegan)
8585. Morrison, A. C.
8586. Menzies, J.
8587. Heskett, T. J., & Colyer, M. J. G.
8591. Smith, D. C.
8593. McEvoy, H.
8594. Wriedt, H.
8596. Whelan, D. J.
8597. Wheeler, B. A.
8598. Tuck, H. E. H.
8600. Grove, W. R., & Steel, J.
8601. Keogh, E. J. (Corbett)
8602. Guthridge, N. (Brown)
8603. Guthridge, N. (Brown)
8604. Byatt, H.
8606. Duff, W. M.
8607. Reilly, J. J.
8608. Giffney, A. J.
8609. Greenwood, E. W.

Applications Abandoned, Withdrawn, &c.

1906.

7239. *Comp.* (*Lapsed.*) Thomas O'Reilly, Parramatta-road, Petersham, N.S.W., traveller and collector, c/o George Lumb, modeller, Parramatta-road, Petersham, N.S.W.,

"Dress and shirt sleeve elastic and buckle band."

7268. *Comp.* (*Lapsed.*) William Hargraves Hammond, 108 Waverley-road, Woollahra, N.S.W., builder,

"Water tube fire bars for steam boilers."

7378. *Comp.* (*Lapsed.*) William Abery, Lawes-street, Hawthorn, Vic., builder and contractor,

"Fastener for mail bags & the like & check label device for same."

7399. *Comp.* (*Lapsed.*) Maylean Bjornstad, civil engineer, and Joseph Stacey, confectioner, both of Auckland, N.Z.,

Application under Sec. 7.

[N.S.W., 12,769; Vic., 21,107.]

"A medicated sweetmeat and sugar confection to cure and relieve consumption, bronchitis, asthma and other pulmonary chest and throat diseases."

7460. *Comp.* (*Lapsed.*) William Tuxford Crosher and George Stevenson, both of 254 Kent-street, Sydney, N.S.W., makers of metallic signs (*communicatees of* Charles Henry Woodhead, *act. inv.*, High-street, Auckland, N.Z.),

"Special process for making incised or embossed metal letters or any designs."

1907.

9428. *Comp.* (*Abandoned.*) Hermann Mühlinghaus, 9 Blumenstrasse, Wiesbaden, Germany, merchant,

"Improved process for treating tin ores or slags."

Assignments Registered.

1905.

3675. "Portable apparatus for obtaining meat extract."

Assignment of one-quarter share or interest *by* Frederick Benjamin Houghton *to*

William Alexander Gibb. Dated 2nd Sept., 1907. Registered 28th Feb., 1908.

1906.

5366. "Improvements in percussive machines and tools operated by expansible fluid."

Assignment of the whole *by* Wilhelm Mauss *to*

The Konomax Rock Drill Syndicate Limited. Dated 27th Nov., 1907. Registered, 4th Mar., 1908.

7513. "Improvements in linotype machines."

Assignment of the whole *by* Edward Needham Waters *to*

Linotype and Machinery Limited. Dated 28th Nov., 1907. Registered 28th Feb., 1908.

1907.

8628. "An improved wheel cutting machine."

Assignment of the whole *by* George Garibaldi Turri *to*

Mikael Pedersen. Dated 19th Feb., 1908. Registered 27th Feb., 1908.

Licence Registered.

1905.

3506. "An improved dropper."

Licence for the term of six years to manufacture and sell or cause to be manufactured within the Commonwealth of Australia articles involving in their manufacture the application of the above invention. Grant of licence *made by* John McNally *to*

Geo. P. Harris Scarfe & Co. Limited. Dated 24th Dec., 1907. Registered 27th Feb., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8205. Un. Shoe Mach Co. (Shattuck)
8240. Bowater, J. H. J.
8278. Jansen, T. G. & G. E.
8355. Billows, A. J.
8368. Froggatt, J., & Stacey, C.
8446. Keogh, E. J. (Corbett)
8479. Ormiston, H. O., & Martin, W. D.
8605. Pickard, C. E.
8634. Whitlock, J.
8668. McKay, H. V., & Garde, J. B. (Justen)
8701. Short, E. L.
8817. Roberts, Leah
9081. Cronk, E. & G. E.
9176. Snyder, F. T.
9355. Freygang, R.
9556. Bayles, L. C.
9681. Begg, C. E.
9762.*Phillips, E. (Brown)
9881.*Great Yoghee Nitibur Ltd. (Campbell)
9902. Madgwick, J. H.
9920. Parant, L. L. J., & Pichon, A. P.
9970. Butler, C. H.
10,049. Borner, O. L.
10,055. Compagnie Parisienne des Voitures Elec. (Procédés Krieger)
10,071. Roberts, B. O. (Cantwell)
10,106. Notcutt, W. P.
10,107. Roberts, D., & James, C.
10,182.*Griffith, A. (Fawns & Kermode)
10,169. Lawrence, G. R.
10,192. Dion Submarine Light Co. (Dion)
10,206. Dod, G. E.
10,230. McPharlin, E. P. S.
10,234. Lucas, R.
10,235. Waters, W. H. (Scharf)
10,330. Campbell, H.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

In the following cases the particulars have been revised or varied, and are now printed in full:—

9762. Edwin Phillips, 533 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* William Hervey Brown, *act. inv.*, 3 Crofts-terrace, York, Eng., architect),

"Improvements in bond ties for walls and the like."

9881. Great Yoghee Nitibur Limited, "The Bungalow," Experimental Cotton Plantation, Spence and Buchan streets, Cairns, Qld., chemical manufacturers (*assignee of* Joseph Campbell, Cairns, Qld., managing director),

"Combined cane grub destroyer and land fertilizer."

10,182. Arthur Griffith, 163 King-street, Sydney, N.S.W., patent attorney (*nominee of* Katrine Ellen Fawns, *act. inv.*, spinster, and Georgine Kermode, *act. inv.*, married woman, both of 92 Ashley Gardens, Victoria-street, London, S.W., Eng.),

"Improvements in coin freed or operated machines for vending postage stamps, tickets and the like."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 02.—Dynamo Electric Machinery.

02.2	Spring supported contact giving warning of reduced air-gap. (04.4; 60.7)	Ormiston	8479

Group 04.—Electric Apparatus.

04.4	Indicator alarm for worn or displaced bearings, &c. (02.2; 60.7)	Ormiston	8479
04.7	Preventing controller sparking by reversed series winding on generator with pedal switch, &c. (61.9; 95.4)	Krieger	10,055

Group 06.—Electric Lamps.

06.8	Three-phase vertical furnace; preventing jacket induction; liquid slag resistance; solid slag insulation; producing liquid zinc, lead, matte, &c. (15.4; 15.6; 16.2; 16.7)	Snyder	9176

Group 12.—Hyd. and Pneu. Separation.

12.2	Separator for clay ores; stirring and conveying worm with upward current in inclined tube. (14.7)	Freygang	C.a.P. 9355

Group 14.—Leaching Metallurgy.

14.7	Separator for clay ores; stirring and conveying worm with upward current in inclined tube. (12.2)	Freygang	C.a.P. 9355

Group 15.—Metallurgy in Furnaces.

15.4	Smelting in electric furnace, carbon and iron reduction; producing liquid lead, matte, slag, and condensed liquid zinc at separate tap holes. (06.8; 15.6; 16.2; 16.7)	Snyder	9176
15.6	Smelting in electric furnace, carbon and iron reduction; producing liquid lead, matte, slag, and condensed liquid zinc at separate tap holes. (06.8; 15.4; 16.2; 16.7)	Snyder	9176

Group 16.—Furnaces.

16.2	Volatilizing zinc in hot centre and collecting liquid zinc condensed against water jacket. (06.8; 15.4; 15.6; 16.7)	Snyder	9176
16.7	Volatilizing zinc in hot centre and collecting liquid zinc condensed against water jacket. (06.8; 15.4; 15.6; 16.2)	Snyder	9176

Group 25. Washing; Cleaning; Brushes.

25.9	Dust collectors and ejector for vacuum cleaning. (69.1)	Corbett	C.a.P. 8446
25.9	Motor street sweeper; boxed brushes with suction dust collectors, bag filters, &c. (86.5)	Butler	9970

Group 26.—Bleaching and Dyeing.

26.1	Decolouring tobacco by dilute nitric acid. (33.3)	Parant	9920

Complete Specifications Accepted—*continued.*

Group 27.—Beverages.

27.3	Intermediate pressure reducing cylinder, with screw valves, &c. ...	Billows	C.a.P.	8355

Group 30.—Ploughing.

30.3	Share or scarifier foot; renewable horizontal edge plate	Jansen	C.a.P.	8278
30.3	Compound swivel and lever for raising plough drills	Whitlock	C.a.P.	8634

Group 31.—Cultivation.

31.7	Fertilizer; charred megass or sawdust, gas liquor, soap, phosphates, &c. (33.1; 38.9)	Campbell		9881

Group 33.—Tropiculture.

33.1	Cane grub destroyer; gas liquor, soap, petroleum, borax, acid, &c. (31.7; 38.9)	Campbell		9881
33.3	Decolouring tobacco by dilute nitric acid. (26.1)	Parant		9920

Group 37.—Pastoral.

37.1	Castrating tongs; serrated jaws; folding knife in handle. (87.4) ...	Bowater	C.a.P.	8240

Group 38.—Fowling; Fishing; Trapping.

38.9	Portable fumigator; hand pump, smoke producer, CS_2, impregnator	Cronk		9081
38.9	Cane grub destroyer; gas liquor, soap, petroleum, borax, acid, &c. (31.7; 33.1)	Campbell		9881

Group 43.—Wearing Apparel.

43.1	Three dress cutting charts; bodices, skirts, knickers	Roberts		8817

Group 44.—Boots and Shoes; Umbrellas.

44.5	Pounding-up, blocking and ironing uppers on the last	Shattuck	C.a.P.	8205

Group 50.—Typographic Printing.

50.1	Expansion quoin; reversed screws and double nut	Madgwick	C.a.P.	9902
50.5	Inclined store-rack for spare magazines above the linotype machine	Scharf		10,235

Group 52.—Photography.

52.1	Photography from kites; pendulum frame with guys, &c. (62.1) ...	Lawrence		10,169

Group 54.—Commerce.

54.2	Coin operated ticket vendor, following 8209/07. (54.3; 55.7) ...	Fawns		10,182
54.3	Coin operated stamp vendor following 8209/07. (54.2; 55.7) ...	Fawns		10,182

Group 55.—Money.

55.7	Stamp or ticket strip fed by coin-lifted weight; false coins rejected, &c. (54.2; 54.3)	Fawns		10,182

Group 58.—Chains, Ropes, Wire.

58.4	Wire and strip fastenings for sheet metal roofing. (81.4) ...	Cantwell		10,071
58.5	Hexagon wire net machine; circular racks and slides; horizontal twisting pinions. (60.5)	Begg	C.a.P.	9681
58.5	Wire net strips for bonding walls; vertical, horizontal and zig-zag uses. (81.1; 81.2)	Brown	C.a.P.	9762

Complete Specifications Accepted—*continued.*

Group 60.—Mechanism; Lubrication.

60.2	Graded cams to avoid shock in fuel-feed pump and relief valve, as G.B.4589/*06*. (66.7)	Roberts	10,107
60.2	Enclosed train arm gear with brake clutches. (62.8 ; 95.9) ...	Lucas	10,234
60.5	Hexagon wire net machine ; circular racks and slides ; horizontal twisting pinions. (58.5)	Begg	C.a.P. 9681
60.7	Indicator alarm for worn or displaced bearings, &c. (02.2 ; 04.4)...	Ormiston	8479

Group 61.—Governors.

61.9	Controlling petrol-electric motors by fuel-valve and reversed series winding. (04.7 ; 95.4)	Krieger	10,055

Group 62.—Power Storage.

62.1	Spring motor for retrieving slack guys in aerial photography. (52.1)	Lawrence	10,169
62.8	Dovetail teeth on sliding clutches. Train-arm gear. (60.2 ; 95.9)	Lucas	10,234

Group 66.—Gas and Oil Engines.

66.5	Pulsating combustion chamber feeding gas turbine, through large primary nozzles and secondary restricted passages. (66.7 ; 67.1)	Dod	10,206
66.7	Introducing part of charge on two-stroke cycle, through scavenging ports and part through cam controlled valve	Borner	10,049
66.7	Graded cams to avoid shock in fuel-feed pump and relief valve, *as* G.B.4589/*06*. (60.2)	Roberts	10,107
66.7	Coupled fuel and compressed air valves in gas engines. (66.5 ; 67.1)	Dod	10,206

Group 67.—Turbines; Rotary Motors.

67.1	De-Laval, &c., turbines driven by pulsating gas from combustion chamber. (66.5 ; 66.7)	Dod	10,206

Group 69.—Blowers and Compressors.

69.1	Water jet exhauster for vacuum cleaning. (25.9)	Corbett	C.a.P. 8446

Group 74.—Pipes and Fittings.

74.6	Strap and lever wrench for plated or polished pipes	Justen	C.a.P. 8668

Group 75.—Abrading and Polishing.

75.5	File cutting ; reversing curvature of teeth on opposite sides ...	Notcutt	10,106

Group 78.—Structural Hardware.

78.2	Attaching barbed wire to wooden posts by hook-plate swinging on a nail. (81.8)	McPharlin	10,230
78.5	Diagonal hanger for doors, &c. ; attachment lugs. (81.9) ...	Pickard	C.a.P. 8605

Group 81.—Buildings, Streets, Fencing.

81.1	Wire net strips for bonding walls ; vertical, horizontal and zig-zag uses. (58.5 ; 81.2)	Brown	C.a.P. 9762
81.2	Wire net strips for bonding walls ; vertical, horizontal and zig-zag uses. (58.5 ; 81.1)	Brown	C.a.P. 9762
81.3	Couplings and locks, &c., for sliding extension-ladders. (88.4) ...	Campbell	CaP. 10,330
81.4	Metal roofs ; split tube and wire fastenings ; wind ties, &c. (58.4)	Cantwell	10,071
81.8	Attaching barbed wire to wooden posts by hook-plate swinging on a nail. (78.2)	McPharlin	10,230
81.9	Diagonal hanger for gates, &c. ; attachment lugs. (78.5) ...	Pickard	C.a.P. 8605

Complete Specifications Accepted—*continued.*

Group 82.—Harbours, Foundations.

82.1	Marking harbour channels by submerged electric lights. (99.6) ...	Dion	10,192

Group 85.—Mining.

85.8	U-bolt chuck for rock drills; half bushes and safety wedge ...	Bayles	9556

Group 86.—Sanitation.

86.3	Closet pan with strainer; rotary bacterial filter operated by seat ratchet. (86.7)	Short	C.a.P. 8701
86.5	Motor street sweeper; boxed brushes with suction dust collectors, bag filters, &c. (25.9)	Butler	9970
86.7	Closet pan and strainer; rotary bacterial filter operated by seat ratchet. (86.3)	Short	C.a.P. 8701

Group 87.—Medicine.

87.4	Castrating tongs; serrated jaws; folding knife in handle. (37.1)	Bowater	C.a.P. 8240

Group 88.—Salvage, Accidents.

88.4	Couplings and locks, &c., for sliding extension ladders. (81.3) ...	Campbell	CaP. 10,330

Group 95.—Locomobiles.

95.4	Preventing controller sparking by reversed series winding on generator with pedal switch, &c. (04.7; 61.9)	Krieger	10,055
95.9	Double-brake train-arm gear, with two-speed chain and tooth clutch on intermediate axle. (60.2; 62.8)...	Lucas	10,234

Group 96.—Rolling Stock.

96.3	Duplex link-and-latch coupling; rotary hooks locked by rock shaft.	Froggatt	C.a.P. 8368

Group 99.—Signalling.

99.6	Marking harbour channels by submerged electric lights. (82.1) ...	Dion	10,192

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,838. Ernest Moss, 183 Hereford-street, Christchurch, Canterbury, N.Z., mechanic,

Application under Sec. 121.

[Date applied for 5th Mar., 1907, being date of application in N.Z., No. 22,510/07.]

"An improved machine for use in stamping and franking letters, telegrams and the like."

10,895. Marcel Pierre Vincent DELAGE, 151 Rue de Courcelles, Paris, France, manufacturer,

Application under Sec. 121.

[Date applied for 27th Feb., 1907, being date of application in France, No. 7373/07—addition to French Patent No. 348,466.]

"Manufacture of incandescence mantles for radiating heat and the application thereof."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6947. F. W. Hedgeland. *Mechanism for automobiles.* Classes 62.8; 95.9.
6997. A. L. Cadogan. *Safe or cooling chamber.* Classes 29.3; 90.9.
7022. J. T. Penny. *Grinding and amalgamating.* Classes 10.5; 13.3.
7084. A. R. Angus. *Railway cars.* Classes 96.3; 96.4.
7188. D. N. Martin. *Dust diverter.* Class 32.6.
7356. H. W. Gersch. *Harrows.* Class 31.2.
7556. W. F. J. Curnow. *Hose couplings.* Class 74.5.
7561. R. H. Dennis. *Lawn sprinkler.* Class 31.9.
7676. Cowell and Phillips. *Fencing droppers.* Class 81.8.

1907.

7896. F. G. Winkler. *Springs.* Classes 93.3; 96.5.
7953. H. Pape. *Metallic vapours from ores.* Classes 15.1; 15.2; 15.6.
7993. Aktiebolaget Nautiska Instrument (Hjorth and Others). *Telephone and telegraph apparatus.* Classes 02.1; 02.3; 05.2; 05.6.
8444. Doherty and Baird. *Steam heating fittings.* Classes 24.5; 25.5.
8458. N. Dowie. *Boot.* Classes 44.1; 53.1.
8465. E. Coombs. *Fibrous plastering.* Class 18.3.
8468. W. H. Nisbet. *Railway brakes.* Class 96.6.
8469. A. Jarrett. *Kerosene pumps.* Class 22.4.
8489. W. P. Neil. *Spade plough.* Class 31.2.
8499. Thomas Robinson & Son Ltd. (Robinson and Backhouse). *Separating dust.* Classes 12.7; 17.4; 34.3.
8508. J. E. Friend. *Rotary steam engines.* Classes 60.1; 64.5; 67.7.
8514. L. Pearce. *Sash fastener.* Class 78.7.
8520. L. Hardaker. *Wheel for vehicles.* Class 97.6.
8543. W. Hudson and Others. *Loose leaf binders.* Class 48.8.
8562. L. Levy. *Envelopes.* Classes 49.3; 54.1.
8564. Auto Strop Co. (Gaisman). *Razors.* Classes 43.7; 76.1.

Printed Specifications Published—*continued.*

1907.

8588. E. TEMPLE. *Game of amusement.* Classes 53.1; 89.5.
8729. T. GARE. *India-rubber goods.* Class 47.5.
8799. LOUISA COOMBER (J. COOMBER). *Flaying knives.* Classes 35.1; 47.3; 76.1.
8915. D. WELLWOOD. *Preventing deterioration of liquors, &c.* Classes 27.7; 54.7; 57.5.
8953. S. O. COWPER-COLES. *Cartridge cases.* Classes 07.6; 89.9.
8954. S. O. COWPER-COLES. *Electro-deposition of copper.* Class 07.6.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*25th February, 1908.*			
7240	30 Oct.	F. B. Perry	W.A.	Veterinary medicine ...	494
7365	16 Nov.	T. B. Lockley	N.S.W.	Carpenter's vise	602
7502	3 Dec.	J. C. McDonald ...	Vic.	Safety hooks, &c. ...	546
	1907.				
7698	2 Jan.	J. T. Hepburn	Scot.	Motor cars	5
7728	4 Jan.	Un. Shoe Mach. Co. (Hadaway)	U.S.A.	Shoe sewing machines ...	653
8653	6 May	H. Lavaggi	Eng.	Indicating oil level ...	251
8713	15 May	E. H. Micklewood & H. Whidbourne	Eng.	Internal combustion engines	268
8779	22 May	G. Goldman	U.S.A.	Garment pad	281
9152	10 July	G. G. Turri (Ward) ...	U.S.A.	Safety razors	404
	1906.	*28th February, 1908.*			
7230	29 Oct.	W. J. Hall	N.S.W.	Oil retort	567
7592	13 Dec.	R. S. Barber	N.S.W.	Comb dresser for shearing	67
	1907.				
8151	1 Mar.	E. N. Waters (Kidder, C. W. & G. W. Davis)	U.S.A.	Typewriters	123
8340	27 Mar.	G. W. Green	N.S.W.	Seed planting	173
8484	16 Apr.	C. E. Rusden	S. Af.	Treating slimes	635
8719	16 May	F. Gold	Vic.	Furnaces	278
8728	16 May	Compagnie Parisienne des Voitures Elec (Procedes Kriéger)	France	Commutators	278
8789	23 May	E. Phillips (Zahn) ...	U.S.A.	Roller bearings	294
8837	28 May	A. L. Christenson ...	Sweden	Box bearings	297
8854	29 May	J. V. Boland	U.S.A.	Mould for building ...	298
8855	29 May	J. V. Boland	U.S.A.	Chimneys	298
8856	29 May	W. W. Lamb	U.S.A.	Burning vegetation ...	299
	1906.				
8891	1 Oct.	W. E. Martin	Eng.	Side delivery rakes, &c. ...	316
	1907.				
8909	6 June	M. A. G. Himalaya ...	Eng.	Explosives	332
8966	14 June	C. L. Garland	N.S.W.	Ships and boats	352

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin	Abbreviated Title.	Page.
	1906.	*28th February, 1908.*			
7602	14 Dec.	H. S. Hendy	N.S.W.	Rifle back-sight protector ...	562
7639	21 Dec.	A. Parker	N.Z.	Printing, &c., tickets ...	599
	1907.				
7699	2 Jan.	G. D. Howes	Vic.	Rip saw benches ...	635
7758	9 Jan.	J. Liening	Germany	Cement roofing tiles ...	8
7850	23 Jan.	P. C. Duncombe & A. Baker	N.S.W.	Dipping sheep	581
7945	5 Feb.	S. B. Yeates	W.A.	Recovery of metals ...	64
8800	23 May	F. F. Davidson	U.S.A.	Power hammers	295
	1906.	*29th February, 1908.*			
7236	30 Oct.	H. T. Rawnsley ...	N.Z.	Harness	462
		2nd March, 1908.			
7254	1 Nov.	E. B. Killen	Eng.	Rubber wheel tyres ...	578
7264	2 Nov.	H. J. O'Neill	Vic.	Spirit level	578

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
17,973	Maconochie, A. W.	5th Mar., 1915
18,217	Westinghouse, G.	10th June, 1915

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1900.

No.	Name.	Paid up to—
5487	Hill, E. R.	17th May, 1914
5511	Brit. Westinghouse E. & M. Co. Ld.	31st May, 1914
5825	Brit. Westinghouse E. & M. Co. Ld.	2nd May, 1914

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
7110/5283	Westinghouse, G.	10th June, 1915

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3416	Westinghouse, G.	4th June, 1915

1904.

4815	Artistic Woodwork Prop. Ld.	23rd Feb., 1911
4838	Allis-Chalmers Co.	5th Apr., 1911

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
3005	Maconochie, A. W.	7th Mar., 1915
3088	Westinghouse, G.	13th June, 1915

GEORGE TOWNSEND,
Commissioner of Patents.

Printed and Published for the DEPARTMENT of PATENTS, COMMONWEALTH of AUSTRALIA,
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NOTICE IS HEREBY GIVEN that JOHN THOMAS DAWES, the grantee of Australian Patent No. 1936, dated 8th November, 1904, for **"Improvements in magnetic separators for ores or the like,"** is prepared to satisfy any demand for the said invention and all requirements of the public respecting same in the Commonwealth.

Further information and particulars obtainable from—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

NOTICE IS HEREBY GIVEN that WILLIAM MILO MEACHAM and LARNED EVERETT MEACHAM, the grantees of Australian Patent No. 5406, dated 7th March, 1906, for **"Hydroplane boats,"** are prepared to satisfy any demand for the said invention and all requirements of the public respecting same in the Commonwealth.

Further information and particulars obtainable from—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

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THE

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS.

VOLUME 6.

APPLICATIONS FOR PATENTS,

AND

PROCEEDINGS

OF THE

COMMONWEALTH PATENT OFFICE,

WEEKLY ISSUES NOS. 1 TO 50.

1907.



1908.

DEPARTMENT OF PATENTS,
COMMONWEALTH OF AUSTRALIA.

C.1775.—10/3/08.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding. Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

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The Government Printer, Melbourne, will bind copies for subscribers, or supply covers for binding elsewhere.

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When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

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,, ,, ,, (Bennion)	Presses	P. 10,900
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CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

FEBRUARY, 1908.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
00.4	Utilizing solar heat. (00.7; 63.1)	Shuman	10,772
00.7	Fire alarms. (88.2; 99.7.) (Section 7, *see* Vic. 18,199/01) ...	Oatway	10,756
00.7	Utilizing solar heat. (00.4; 63.1)	Shuman	10,772
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01.2	Repairing felted heads of piano hammers	Bode	10,914
01.2	Tuning pianos	Raehse	10,924
01.6	Pianos, organs, &c. (01.2)	Clutsam	8595
	Group 03.—Electric Railways and Power.		
03.1	Electrical insulators for telephone wires, &c.	Purves	P. 10,905
03.4	Current feeding in electric railways	Perocchio	10,820
	Group 04.—Electric Apparatus.		
04.7	Starting or stopping electric motors	Hooker	10,301
	Group 05.—Telegraphy and Telephony.		
05.6	Telephone call and number recorder	Maxwell	P. 10,916
	Group 06.—Electric Lamps.		
06.7	Electric cooker, &c. (24.2; 25.7)	Berry	10,807
06.7	Electric heater. (24.7; 25.7)	Hanson	10,840

Class	Title.	Name.	Number.
	Group 07.—Electrolysis and Batteries.		
07.1	Primary batteries	Bleeck	10,779
07.1	Primary electric battery	Hooker	10,860
07.6	Electrolytic treatment of sulphide ores. (14.1 ; 14.7)	Bonnet	8718
07.9	Bleaching oils, &c. (26.1)	Fell	10,901
07.9	Utilizing electrical effluvia. (Section 121)	Gerard	10,943
	Group 09.—Organic Chemistry.		
09.1	Utilizing Xanthorrhoea plants. (09.4 ; 33.1 ; 47.6)	Wallace	P. 10,776
09.1	Treating barks of Xanthorrhoea plants. (09.4 ; 47.6)	Wallace	P. 10,778
09.4	Utilizing Xanthorrhoea plants. (09.1 ; 33.1 ; 47.6)	Wallace	P. 10,776
09.4	Elastic product similar to caoutchouc. (47.6)	Wallace	P. 10,777
09.4	Treating barks of Xanthorrhoea plants. (09.1 ; 47.6)	Wallace	P. 10,778
	Group 10.—Crushing and Grinding.		
10.2	Stamping and grinding mills	Topp	10,921
10.3	Lining for tube mills, &c. (10.5)	Brown	8745
10.5	Lining for tube mills, &c. (10.3)	Brown	8745
10.5	Grinding machines	Ericsson	10,790
10.8	Sprayer. (68.9)	Woodman	8943
10.8	Washing and extracting minerals. (12.1 ; 12.2 ; 14.7)	Freygang	9355
	Group 11.—Mech. and Elec. Separation.		
11.7	Magnetic separation of ores	Ullrich	10,878
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Separating ores. (12.2 ; 12.5)	de Bavay	8875
12.1	Washing and extracting minerals. (10.8 ; 12.2 ; 14.7)	Freygang	9355
12.2	Separating ores. (12.1 ; 12.5)	de Bavay	8875
12.2	Washing and extracting minerals. (10.8 ; 12.1 ; 14.7)	Freygang	9355
12.2	Well or ripple for gold savers. (13.2)	Moon	P. 10,804
12.5	Separating non-metallic materials from minerals	Chapman	8768
12.5	Separating ores. (12.1 ; 12.2)	de Bavay	8875
12.5	Separating zinc sulphide ores, &c.	Corbett	P. 10,809
12.5	Ore concentration	Burn	P. 10,872
12.7	Ore concentrators	Jahraus	10,892
	Group 13.—Amalgamation.		
13.2	Well or ripple for gold savers. (12.2)	Moon	P. 10,804
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14.1	Electrolytic treatment of sulphide ores. (07.6 ; 14.7)	Bonnet	8718
14.1	Extracting tin from ores. (15.2 ; 16.2)	Nicholas	P. 10,828
14.1	Treating poor sulphide ores. (15.2)	Holdsworth	10,898
14.7	Electrolytic treatment of sulphide ores. (07.6 ; 14.1)	Bonnet	8718
14.7	Washing and extracting minerals. (10.8 ; 12.1 ; 12.2)	Freygang	9355
	Group 15.—Metallurgy in Furnaces.		
15.1	Roasting and sintering ores. (16.45 ; 16.8)	Dwight	10,925
15.2	Extracting tin from ores. (14.1 ; 16.2)	Nicholas	P. 10,828
15.2	Extracting iron. (16.2)	de Laval	10,870
15.2	Treating poor sulphide ores. (14.1)	Holdsworth	10,898
15.6	Extracting zinc. (16.2)	Shortman	10,874

Class	Title.	Name.	Number.
	Group 16.—Furnaces.		
16.2	Extracting tin from ores. (14.1; 15.2)	Nicholas	P. 10,828
16.2	Extracting iron. (15.2)	de Laval	10,870
16.2	Extracting zinc. (15.6)	Shortman	10,874
16.45	Roasting and sintering ores. (15.1; 16.8)	Dwight	10,925
16.8	Roasting and sintering ores. (15.1; 16.45)	Dwight	10,925
	Group 17.—Chimneys, Fumes, Smoke.		
17.8	Spark arrester	Northway	8309
17.8	Spark arrester	Ring	8691
	Group 18.—Stones, Cement, &c.		
18.3	Cement from blast furnace slag. (Section 121)	Müller	10,774
10.5	Marblelite	Watts	P. 10,950
	Group 19.—Glass and Ceramics.		
19.1	Moulding plastics. (36.8; 47.6; 48.1; 70.2)	Campbell	8646
19.4	Incandescent gas lamp mantles. (23.5) (Section 121)	Laigle	10,810
	Group 20.—Solid and Liquid Fuel.		
20.2	Artificial fuel	Hemery	P. 10,835
	Group 21.—Gas for Light and Heat.		
21.85	Generating, washing, cooling, and storing acetylene	Schmidt	10,763
	Group 22.—Candles and Lamps.		
22.1	Holding candles or lamps in mines, &c.	Travers	P. 10,908
22.2	Burning paraffin wax for lighting	Destefani	10,757
22.4	Tap for kerosene tins, &c.	Corbett	P. 10,890
22.4	Cutter to attach pumps to kerosene tins	Jarrett	P. 10,954
22.5	Gas light burners. (23.1)	Tatham	8630
22.8	Operating street lamps from a distance	Nightingall	10,784
	Group 23.—Bunsen and Incand. Burners.		
23.1	Gas light burners. (22.5)	Tatham	8630
23.3	Self-heating cattle brand. (37.4)	Landells	9512
23.5	Incandescent gas lamp mantles. (19.4) (Section 121)	Laigle	10,810
23.5	Incandescent mantles for heat. (Section 121)	Delage	10,895
	Group 24.—Domestic Heating; Cooking.		
24.2	Door for stoves and ranges	Gibson	10,514
24.2	Electric cooker, &c. (06.7; 25.7)	Berry	10,807
24.2	Gas or oil stoves	Jackson	P. 10,899
24.5	Steam washing machine. (25.2)	Hölle	P. 10,780
24.7	Electric heater. (06.7; 25.7)	Hanson	10,840
	Group 25.—Washing; Cleaning; Brushes.		
25.2	Raising clothes from coppers	Ilett	9715
25.2	Steam washing machine. (24.5)	Hölle	P. 10,780
25.2	Hand and power washing machines	Eckersley	10,854
25.4	Cleaning glove. (43.6)	Crowley	P. 10,886
25.5	Washing machine for tumblers, mugs, &c.	Lawrence	P. 10,918
25.6	Clothes lines hoist	Monod	P. 10,882
25.7	Electric cooker, &c. (06.7; 24.2)	Berry	10,807

Class	Title.	Name.	Number.
	Group 25.—Washing; Cleaning; Brushes—*continued.*		
25.7	Electric heater. (06.7 ; 24.7)	Hanson	10,840
25.7	Flat-iron holder	Goold	P. 10,910
25.9	Floor polisher, wall and window cleaner, &c.	Hornby	P. 10,857
	Group 26.—Bleaching and Dyeing.		
26.1	Bleaching oils, &c. (07.9)	Fell	10,901
	Group 27.—Beverages.		
27.1	Brewing process	Breker	10,786
27.3	Withdrawing gas from cylinders under pressure	Billows	8355
27.3	Self-contained aerating machines. (27.5)	Pearce	10,842
27.5	Self-contained aerating machines. (27.3)	Pearce	10,842
	Group 28.—Distillation and Filtration.		
28.1	Vacuum filter	Stoneman	P. 10,948
28.2	Treating metalliferous slimes	Wallace	P. 10,765
28.2	Filtering machines. (28.3.) (Section 85, *see* 5329/06)	Ridgway	10,868
28.3	Filtering machines. (28.2.) Section 85, *see* 5329/06)	Ridgway	10,868
	Group 29.—Refrigeration.		
29.4	Cooling brine for dairies, &c. (29.7 ; 36.3)	Jenkins	8818
29.4	Storing cold. (29.7 ; 36.3)	Jenkins	8819
29.5	Milk and cream cooler and attemperator. (36.3)	Throsby	P. 10,851
29.7	Cooling brine for dairies, &c. (29.4 ; 36.3)	Jenkins	8818
29.7	Storing cold. (29.4 ; 36.3)	Jenkins	8819
	Group 30.—Ploughing.		
30.2	Capstan tree puller and stacker. (59.1)	O'Connor	10,020
30.2	Machine for gathering stones, stumps, &c. (84.3)	Jarrett	P. 10,922
30.5	Support for fore arm of ploughs	Whitlock	8634
30.9	Cultivator tines	Smith	P. 10,955
	Group 31.—Cultivation.		
31.1	Attachment to soil tillers for sowing potatoes, &c.	Hanrahan	P. 10,822
31.5	Destroying vegetable growth	Fletcher	10,342
31.5	Destroying prickly pear, &c.	Tyree	P. 10,791
31.5	Eradicating prickly pear	McKay	P. 10,790
31.5	Prickly pear destroyer. (87.1)	Noller	P. 10,858
	Group 32.—Harvesting.		
32.3	Grain harvesters	Charlton	8572
32.3	Stripper harvesters	Shearer	P. 10,797
32.6	Hop picker and separator	Horst Co.	10,813
32.6	Removing grain from sheaves, &c.	Winstanley	P. 10,953
32.7	Grading apples, &c.	Lomas	P. 10,769
32.7	Derricks or elevators for hay, &c. (59.1 ; 84.5)	Wright	10,815
	Group 33.—Tropiculture.		
33.1	Sugar cane harvester	Green	8471
33.1	Sugar cane cutter and topper	Henry	P. 10,761
33.1	Utilizing Xanthorrhoea plants. (09.1 ; 09.4 ; 47.6)	Wallace	P. 10,776

Class.	Title.	Name.	Number.
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34.2	Calf food. (37.1)	Johnson	8631
34.6	Bread	Willson	P. 10,830
	Group 35.—Meat Food.		
35.3	Treating edible substances to arrest decay. (35.7; 35.9) ...	Main	10,832
35.3	Extracting air, &c., by impellent liquid. (69.1)	Nance	10,833
35.7	Treating edible substances to arrest decay. (35.3; 35.9) ...	Main	10,832
35.9	Treating edible substances to arrest decay. (35.3; 35.7) ...	Main	10,832
	Group 36.—Dairy Food.		
36.1	Intermittent suction in milking machines	Kilborn	P. 10,771
36.1	Milking machines	Harkin	P. 10,845
36.2	Milk, &c., cans. (86.3)	Stuart	P. 10,773
36.2	Knee rest and ear attachment for milk buckets	Dike	P. 10,795
36.2	Safety milk cans, &c. (77.5) (Section 85, *see* 8715/07) ...	Stevens	P. 10,893
36.2	Testing moisture in butter, &c.	Nicholls	10,906
36.3	Cooling brine for dairies, &c. (29.4; 29.7)	Jenkins	8818
36.3	Storing cold. (29.4; 29.7)	Jenkins	8819
36.3	Milk and cream cooler and attemperator. (29.5)	Throsby	P. 10,851
36.7	Lid for churn and butter worker	Pedersen	P. 10,803
36.7	Butter churn	Budge	P. 10,848
36.8	Moulding plastics. (19.1; 47.6; 48.1; 70.2)	Campbell	8646
	Group 37.—Pastoral.		
37.1	Calf food. (34.2)	Johnson	8631
37.1	Benzine docking iron. (87.4)	Finnis	10,420
37.3	Branding and castrating calves, &c. (Section 7, *see* W.A. 4564/03)	Bottrell	10,802
37.4	Self-heating cattle brand. (23.3)	Landells	9512
37.6	Sheep shearer	de Grosse	P. 10,823
37.6	Applying power to wool, &c., presses. (57.3)	Jenkins	10,865
37.6	Sheep shearing machines	Wass	10,933
	Group 38.—Fowling; Fishing; Trapping.		
38.9	Rabbit burrow fumigator	Burrows	10,377
38.9	Fumigator	Holmes	P. 10,760
38.9	Destroying rabbits	Walker	P. 10,934
	Group 39.—Harness; Animal Power.		
39.5	Horse and cattle rugs	Greenwood	8396
39.5	Horse and cattle cover	Gair	8705
39.5	Horse rug fastening	Moore	10,768
39.6	Horse collars	Halliday	10,754
39.7	Buckle	Brittin	P. 10,932
	Group 41.—Weaving.		
41.9	Treating hides. (47.2; 47.5)	Lungley	P. 10,789
	Group 42.—Sewing.		
42.3	Machine fan. (90.9)	Brain	10,800

Class	Title.	Name.	Number.
	Group 43.—Wearing Apparel.		
43.6	Detachable shirt collars	Lee	10,885
43.6	Cleaning glove. (25.4)	Crowley	P. 10,886
43.6	Fastener for collars and ties	Ryan	10,919
43.6	Collar fastener	Pierce	P. 10,923
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Fastening for boots and shoes	Steele	10,383
44.3	Heels	Davidson	10,752
44.3	Wooden soles	Davidson	10,753
44.3	Internal cushion for boots and shoes	Ramsay	10,758
44.3	Pneumatic sole for boots and shoes. (97.80)	Hayes	10,782
44.3	Inner sole for boots or shoes	Coates	P. 10,844
44.3	Rubber stud and heel plate	Hancock	P. 10,944
44.3	Rubber attachment for boot heels	Clarke	P. 10,945
44.5	Shoes	Bayard	8785
44.5	Presses	Bennion	P. 10,900
44.8	Fan advertising programme. (54.1)	Fienberg	P. 10,949
	Group 45.—Furniture.		
45.2	Bed rest	Winn	P. 10,787
45.2	Mattresses for sick persons, &c. (87.3)	Serjeant	P. 10,843
45.3	Extension dining table	Herbst	P. 10,762
45.4	Looking glass fittings, &c. (78.5; 78.8)	Sturgess	10,816
45.5	Baths and stands. (86.1) (Section 121)	Quine	10,873
45.7	Double roller ventilating window blind	McGregor	P. 10,770
45.7	Fly-proof screens for windows	Davison	P. 10,879
45.7	Sun blinds or screens	Rowe	10,894
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46.1	Button sewing gauge	Fox	P. 10,825
46.1	Spring mattress	Marsh	10,847
46.1	Wire mattresses	Johnson	P. 10,897
46.1	Spring wire mattresses. (58.4)	Munro	10,909
	Group 47.—Leather and Plastics.		
47.2	Treating hides. (41.9; 47.5)	Lungley	P. 10,789
47.5	Treating hides. (41.9; 47.2)	Lungley	P. 10,789
47.5	Rubber composition	Kobiolke	P. 10,821
47.6	Moulding plastics. (19.1; 36.8; 48.1; 70.2)	Campbell	8646
47.6	Utilizing Xanthorrhoea plants. (09.1; 09.4; 33.1)	Wallace	P. 10,776
47.6	Elastic product similar to caoutchouc. (09.4)	Wallace	P. 10,7
47.6	Treating barks of Xanthorrhoea plants. (09.1; 09.4)	Wallace	P. 10,778
	Group 48.—Paper; Bookbinding.		
48.1	Moulding plastics. (19.1; 36.8; 47.6; 70.2)	Campbell	8646
48.5	Folding cardboard boxes	McPherson	P. 10,788
48.5	Paper kit-bag	Taylor	P. 10,952
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49.1	Writing pads	Sinclair	P. 10,853
49.3	Sheet music wrapper	Jacobsen	P. 10,819
	Group 50.—Typographic Printing.		
50.5	Justifying tabular matter in linotypes	Holbourns	10,811
50.5	Typograph composing and distributing machines	Holbourns	10,812

Class.	Title.	Name.	Number.
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52.1	Photographic cameras	Gaut	10,824
	Group 53.—Amusements.		
53.1	Footballs	Turner	10,805
53.2	Game apparatus	Talbert	10,930
53.3	Totalizator. (54.1; 54.2; 56.2)	Donaldson	8727
53.4	Film winders for moving pictures. (60.3; 60.5)	Mills	10,902
53.6	Structure for playing billiards	Dossetor	8860
53.8	Parlour game	Searle	10,766
	Group 54.—Commerce.		
54.1	Totalizator. (53.3; 54.2; 56.2)	Donaldson	8727
54.1	Fan advertising programme. (44.8)	Fienberg	P. 10,949
54.2	Totalizator. (53.3; 54.1; 56.2)	Donaldson	8727
54.2	Railway ticket issuing cabinet	Watts	P. 10,881
54.3	Double mail bag label	Ive	P. 10,792
54.3	Stamping and franking letters, &c. (56.2) (Section 121) ...	Moss	10,838
54.3	Fastening device. (77.7)	Byers	P. 10,935
54.4	Office reminder	Boultbee	P. 10,907
	Group 56.—Counting, Measuring, Weighing.		
56.2	Totalizator. (53.3; 54.1; 54.2)	Donaldson	8727
56.2	Stamping and franking letters, &c. (54.3) (Section 121) ...	Moss	10,838
	Group 57.—Packing, Compressing, Bottling.		
57.3	Applying power to wool, &c., presses. (37.6)	Jenkins	P. 10,865
57.3	Press for wool, &c.	Pilkington	P. 10,869
57.4	Bottle, &c., labelling machine	Brown	10,912
57.5	Can lids secured by tearing strips	Webster	10,573
57.5	Cover for metal cans for jams, &c.	Lack	P. 10,836
57.5	Air tight cover for metal jam cans, &c.	Andrew	P. 10,891
57.6	Unrefillable bottles	Dyer	P. 10,796
	Group 58.—Chains, Ropes, Wire.		
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58.4	Spring wire mattresses. (46.1)	Munro	10,909
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59.1	Capstan tree puller and stacker. (30.2)	O'Connor	10,020
59.1	Lifting and lowering mechanism	Wilson	P. 10,781
59.1	Derricks or elevators for hay, &c. (32.7; 84.5)	Wright	10,815
59.2	Safety hook for man trucks	Jurss	9625
59.4	Suspended traveller for shop goods	Perrett	P. 10,887
	Group 60.—Mechanism; Lubrication.		
60.3	Propellers for ships, &c. (90.5; 92.2; 92.6)	Cochrane	10,863
60.3	Film winders for moving pictures. (53.4; 60.5)	Mills	10,902
60.5	Film winders for moving pictures. (53.4; 60.3)	Mills	10,902
	Group 62.—Power Storage.		
62.4	Spring mounted vehicle wheel and axle. (95.9)	Morgans	P. 10,794
62.5	Starter for power engines	Hillman	P. 10,859
62.8	Fluid pressure actuated transmission gearing	Newman	P. 10,951

Class.	Title.	Name.	Number.
	Group 63.—Steam Power.		
63.1	Utilizing solar heat. (00.4; 00.7)	Shuman	10,772
63.4	Steam generators	Phillips	10,866
63.4	Steam generator for motor cars, &c.	Turnbull	P. 10,877
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68.5	Water elevators. (68.6)	Hodder	10,817
68.5	Bore or well pumps	Downing	P. 10,850
68.6	Water elevators. (68.5)	Hodder	10,817
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69.1	Extracting air, &c., by impellent liquid. (35.3)	Nance	10,833
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70.2	Moulding plastics. (19.1; 36.8; 47.6; 48.1)	Campbell	8646
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74.6	Pipe wrench	Justen	8668
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75.2	Knife, &c., fasteners	Witt	P. 10,927
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77.3	Door locks	Thomas	10,913
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78.5	Door, &c., fittings. (81.5)	Pickard	8605
78.5	Looking glass fittings, &c. (45.4; 78.8)	Sturgess	10,816
78.8	Door stop and retainer	Nott	P. 10,764
78.8	Looking glass fittings, &c. (45.4; 78.5)	Sturgess	10,816
78.8	Clip fastener for blind cords	Wilkinson	P. 10,947
78.9	Flashing clip. (81.4)	Edmanson	P. 10,876

Class.	Title.	Name.	Number.
	Group 80.—Carpentry.		
80.7	Window sash frames	Cliff	P. 10,837
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81.3	Extension ladder. (88.4)	Campbell	10,330
81.3	Scaffolding. (Section 121)	Humphries	10,917
81.4	Roofing	Beamish	10,767
81.4	Flashing clip. (78.9)	Edmanson	P. 10,876
81.5	Door, &c., fittings. (78.5)	Pickard	8605
81.6	Water jet cooler and ventilator. (85.9)	Fulton	P. 10,942
81.8	Tubular fence dropper	Rolfe	9132
81.8	Fence posts	Bruley	P. 10,793
81.8	Fence standard	Watson	P. 10,831
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82.4	Wave engine	Robshaw	10,926
82.6	Composite pile or pillar	Hall	P. 10,801
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84.3	Machine for gathering stones, stumps, &c. (30.2)	Jarrett	P. 10,922
84.5	Derricks or elevators for hay, &c. (32.7; 59.1)	Wright	10,815
	Group 85.—Mining.		
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85.9	Water jet cooler and ventilator. (81.6)	Fulton	P. 10,942
	Group 86.—Sanitation.		
86.1	Baths and stands. (45.5) (Section 121)	Quine	10,873
86.2	Pan and filter for closets, urinals, &c. (86.3)	Short	8701
86.2	Double acting ball or float valves. (74.8)	Holloway	10,637
86.2	Drawing off fumes from closets, &c.	Warner	P. 10,775
86.3	Pan and filter for closets, urinals, &c. (86.2)	Short	8701
86.3	Milk, &c., cans. (36.2)	Stuart	P. 10,773
86.3	Urinal	Short	P. 10,783
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86.3	Pan closet	Miller	P. 10,871
86.3	Sanitary pan	Tomlin	P. 10,928
86.5	Street sweeper and elevator	Acott	P. 10,755
86.5	Track cleaners. (98.3)	Quertier	P. 10,759
86.5	Street sweeper	Close	P. 10,852
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87.1	Blow-fly pest preventing compound	Morgan	P. 10,826
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87.3	Mattresses for sick persons, &c. (45.2)	Serjeant	P. 10,843
87.3	Sachet for wounds, &c.	Meyers	P. 10,855
87.4	Benzine docking iron. (37.1)	Finnis	10,420
87.7	Tooth covering during dental operations	Price	P. 10,884
87.7	Artificial teeth	Chauvin	10,904

Class.	Title.	Name.	Number.
	Group 88.—Salvage, Accidents.		
88.2	Fire alarms. (00.7 ; 99.7) (Section 7, *see* Vic. 18,199/01) ...	Oatway	10,756
88.4	Extension ladder. (81.3)	Campbell	10,330
88.4	Lift for fire escape, &c.	Watchorn	P. 10,946
	Group 89.—War.		
89.5	Gun or rifle sight	Ellis	P. 10,849
89.5	Target	Stacey	P. 10,875
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90.5	Propellers for ships, &c. (60.3 ; 92.2 ; 92.6)	Cochrane	10,863
90.7	Eccentric cam lift gear for windmills	Rule	P. 10,841
90.9	Machine fan. (42.3)	Brain	10,800
	Group 92.—Marine Propulsion.		
92.2	Propellers for ships, &c. (60.3 ; 90.5 ; 92.6)	Cochrane	10,863
92.6	Propellers	Holland	10,818
92.6	Propellers for ships, &c. (60.3 ; 90.5 ; 92.2)	Cochran	10,863
92.6	Manually propelling and steering boats. (92.8)	Cutler	10,864
92.6	Screw propellers	Long	10,931
92.8	Manually propelling and steering boats. (92.6)	Cutler	10,864
92.8	Propelling boats	Dugins	P. 10,939
	Group 93.—Road Vehicles.		
93.3	Vehicle brake	Phillips	9606
93.5	Earth gripper for traction engines. (97.2)	Gleeson	P. 10,940
	Group 94.—Cycles.		
94.3	Cycle handle-bar stems and lamp brackets. (94.9)	Moody	P. 10,941
94.9	Toe-strap for cycles	Gordon	8331
94.9	Tyre inflation mechanism. (97.85)	Deunert	10,889
94.9	Toe clip or strap for cycles	Hicks	P. 10,920
94.9	Cycle handle-bar stems and lamp brackets. (94.3)	Moody	P. 10,941
	Group 95.—Locomobiles.		
95.9	Differential gear for motor vehicles	Pittman	8544
95.9	Spring mounted vehicle wheel and axle. (62.4)	Morgans	P. 10,794
	Group 96.—Rolling Stock.		
96.3	Railway coupling	Froggatt	8368
96.6	Drop lever brake for railway carriages, &c.	Watson	9294
	Group 97.—Wheels.		
97.2	Earth gripper for traction engines. (93.5)	Gleeson	P. 10,940
97.4	Truing bicycle wheel rims	Willson	P. 10,829
97.6	Road vehicle wheels	Dobbs	10,808
97.6	Cycle tyre	Murchis	P. 10,814
97.6	Flexible spring motor and vehicle tyre	McDiarı d	P. 10,936
97.80	Pneumatic sole for boots and shoes. (44.3)	Hayes	10,782
97.83	Detachable rim for motor car tyres	Proctor	P. 10,880
97.83	Motor car tyre rim	James	P. 10,883
97.85	Valve seats of pneumatic cycle tubes, &c.	Wallace	P. 10,839
97.85	Tyre inflation mechanism. (94.9)	Deunert	10,889
97.89	Pneumatic wheels	Gyton	P. 10,896

Class	Title.	Name.	Number.
	Group 98.—Permanent Way.		
98.1	Fish plate to prevent jolting at joints	Howarth	P. 10,846
98.2	Railway crossing	Hosmer	10,903
98.2	Contact for electrical circuits by rolling stock	Angus	10,911
98.3	Track cleaners. (86.5)	Quertier	P. 10,759
	Group 99.—Signalling.		
99.7	Fire alarms. (00.7; 88.2) (Section 7, *see* Vic. 18,199/*01* ...	Oatway	10,756

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63 QUEEN STREET, MELBOURNE.

PATENTS,
TRADE MARKS.

Associate Work.

P. M. NEWTON, Patent Attorney

MARKET BUILDINGS,

437 COLLINS ST., MELBOURNE.

And at Hobart and Launceston. Estab 1895.

The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 8.] 17TH MARCH, 1908. [No. 10.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICE.

Vol. 6.—Applications and Proceedings, 1907.

Notice to Librarians.

This Volume was completed on the 10th March, 1908, by the issue of the Title and Contents sheets, &c., with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 5th to 11th March, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 5th March.

10,984. *Prov.* Florence Augusta MILLANE, corner of Michael and Rowe streets, North Fitzroy, Vic., lady,

"An insect & weatherproof tent, room, or compartment."

10,985. *Prov.* James BEAUCHAMP, Sherwood-road, Ivanhoe, Vic., boot manufacturer,

"An improved method for lacing shoes round the ankle with or without stiffners."

10,986. *Comp.* Esther MURRAY, 5 Clifton-place, Sauchiehall-street west, Glasgow, lecturer on anatomy,

"Improvements in the wheels of cycles, motors, and other vehicles."

10,987. *Comp.* Ejnar Alexander HYTTEN, Copenhagen, Denmark, engineer,

"Improvements in or relating to telegraphonic apparatus."

10,988. *Prov.* Franklin Rousseau KRON, 99 Victoria-street, Darlinghurst, N.S.W., merchant,

"Improvements in tanning or production of leather."

Friday, 6th March.

10,989. *Comp.* Florimond D'OR, 240 Rue Royale, Brussels, Belgium, engineer,

"Improved turning mechanism for bridges."

10,990. *Comp.* Ludwig BRUCKMANN, 28 Lammstrasse, Pforzheim, Germany, manufacturer,

"An improved method of and apparatus for automatically making soldered cord or twisted chains."

10,991. *Prov.* Robert Colin BREWSTER, 58 Margaret-street, Sydney, N.S.W., and Horace Walter BUCK, 89 Pitt-street, Sydney, N.S.W.,

"An improved wire fence dropper and picket."

10,992. *Comp.* Domenico MARZI, 99 Via Germanico, Rome, Italy, electrician,

"Improvements in loud speaking telephone apparatus."

Saturday, 7th March.

10,993. *Prov.* Alexander GILLIES, 2 Brown-street, Heidelberg, Vic., dairyman,

"A pneumatic mouthpiece for teat cups of milking machines."

10,994. *Prov.* Henry Joseph SARTAIN, High-street, Mansfield, Vic., saddle and harness maker,

"An improved water bag."

10,995. *Prov.* Francis Malvin QUINN, 333 Collins-street, Melbourne, Vic., public accountant and auditor,

"Improved mechanism for attachment to boxes and similar receptacles for holding money."

10,996. *Prov.* Frederick Murray LINLEY, commercial traveller, care of Messrs. Beath, Schiess and Company, 198-204 Little Flinders-street, Melbourne, Vic.,

"Improvements in and connected with hats and the ventilation thereof."

Applications received, 5th to 11th March—*continued.*

Monday, 9th March.

10,997. *Prov.* John Hugh Miller Davidson, King William-street, Adelaide, S.A., electrician,

"An improved diaphragm for talking machine."

10,998. *Prov.* John Drysdale, Port Esperance, Tas., storekeeper,

"Drysdale's patent acetylene gas generator."

10,999. *Comp.* Alleyne Reynolds, 11 Queen Victoria-street, London, Eng., consulting metallurgical engineer,

"Improvements in electric furnaces."

11,000. *Comp.* Wilhelm Heer, Arndtstrasse 7, Bochum, Germany, engineer,

"Plant for storing explosive liquids."

11,001. *Comp.* William Frederick Offord, 8 Regent-street, Cambridge, Eng., surgical instrument maker,

"Improvements in or relating to trusses and like surgical appliances."

11,002. *Prov.* Frank Baker, Malua-street, Brighton, Vic., engineer,

"Improvements in and connected with and formation and erection of concrete walls in building."

11,003. *Prov.* William Emery Ekins, Hindley-street, Adelaide, S.A., gun maker,

"An improved back sight for rifles."

11,004. *Comp.* Robert Crawford Johnson, house furnisher, and Matthew Henry Myers, house furnisher's manager, both of 2 London-road, Leicester, Leicestershire, Eng.,

Application under Sec. 121.

[Date applied for, 14th March, 1907, being date of application in Great Britain, No. 6236/07. Application also made in France, 17th May, 1907; Germany, 18th May, 1907; Belgium, 23rd May, 1907; U.S.A., 24th May, 1907; Canada, 30th May, 1907.]

"Improvements in curtain rods."

11,005. *Comp.* Sherard Osborn Cowper-Coles, Grosvenor Mansions, 82 Victoria-street, Westminster, London, Eng., electro-metallurgist,

"Improvements in the manufacture of cement."

11,006. *Prov.* Joseph Margulies Landon, 20 Central Hill, Upper Norwood, London, Eng., gentleman,

"Improvements in or relating to talking machines."

11,007. *Comp.* William Hartley, 56 Derby-street, Burton-on-Trent, Staffordshire, Eng., merchant,

"Improvements in or relating to vapour incandescent lamps."

11,008. *Prov.* Edward Parker, 3 Otter-street, Collingwood, Vic., blacksmith,

"An improved floor cramp."

Tuesday, 10th March.

11,009. *Prov.* James Richard Mallyon, "Otterbourne," Yass, N.S.W., station manager,

"An improved means of constructing telephone exchanges and in connecting subscribers thereto."

11,010. *Prov.* Amherst Talbot Robert Wilde, 313 Victoria-street, Abbotsford, Vic., cycle engineer,

"A method of permanently branding soap or other plastic materials and apparatus therefor."

11,011. *Prov.* William Palmer, 50 Bent-street, Moonee Ponds, Vic., carpenter,

"Improved fasteners for window sashes and the like."

11,012. *Prov.* William Patrick Sanderson, 18 Carey-street, South Bunbury, W.A., engineer,

"Attachment for holding doors in any position."

11,013. *Prov.* Thomas Williams, Cunderdin, W.A., farmer,

"Clock operated feed hopper for horses and other animals."

11,014. *Prov.* William McBean, *act. inv.*, George Hickmer, *assignee*, and William Salmon Parker, *assignee*, all of Perry-street, Collingwood, Vic., boot manufacturers,

"An improved heel for boots shoes and the like to prevent jarring."

11,015. *Comp.* William Stocks, 32 Kerr-street, Fitzroy, Vic., engineer and rubber expert,

"A new manufactured rubber."

Applications received, 5th to 11th March—*continued.*

11,016. *Prov.* John Gilruth GILRUTH, 2 Bourke-street, Melbourne, Vic., tea merchant,

"Cash register."

11,017. *Comp.* Edmund COULSON, 116 A'Beckett-street, Melbourne, Vic., oil and gas engine manufacturer,

"Improvements in oil engines and the like."

11,018. *Prov.* Henry Bertram WILLIAMS, "Irymple," Manson-street, Homebush, N.S.W., process engraver,

"An improved change gear mechanism for motor cars."

Wednesday, 11th March.

11,019. *Comp.* Herbert LEE, Bowral-street, Kensington, N.S.W., engineer,

"An improved internal combustion rotary engine."

11,020. *Prov.* Francis Henry MARRYAT, 94 Wellington-street, St. Kilda, Vic., decorative artist,

"Portable folding hammock support."

11,021. *Prov.* George Harvie SYMONS, 19 Little Myers-street, Geelong, Vic., engineer,

"An improved self ventilating earth closet."

11,022. *Prov.* Carl August JOHNSON, Lucknow, Bairnsdale, Vic., blacksmith,

"Improvements in peeling and slicing knives."

11,023. *Prov.* Alice Edith CASIMIR, 257 Smith-street, Fitzroy, Vic., household duties,

"An improved fire grate."

11,024. *Prov.* James Henry SOUTHCOTT, Gilles-street, Adelaide, S.A., engineer,

"Improved machinery for manufacturing brooms."

11,025. *Prov.* Alfred John BATT, Wallaroo, S.A., commercial traveller,

"The Battridge bucket handle and grip."

11,026. *Comp.* John ARMSTRONG, 5 Victoria-street, Westminster, London, Eng., engineer,

"Improvements in the manufacture of coke and in ovens and apparatus therefor."

11,027. *Prov.* John WIRTH, Kamarooka North, Vic., farmer,

"Improvements in motor and other cycles."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

Corrigendum.—In Vol. 8, No. 9, page 154, Provs. Accepted, *for* 16,659. Reilly. J. G., *read* 10,659. Reilly, J. G.

1907.

10,306. James, W. H. C., & Hocking, E. W.
10,518. Fleming, P. *assignee*, & Maitland-Gibson, K., *act. inv.*

1908.

10,690. McIver, S. K.
10,697. Hawke, S. R.
10,698. Taylor, R. B.
10,703. Batho, Evelyn M.
10,704. Samuels, C. J.
10,706. Green, M. R.
10,707. Osborne, C. H.
10,709. Binney, F. H. L., & Bernard, M.
10,710. Barrett, C. E., & Elmes, J. T.
10,711. Barrett, C. E., & Elmes, *John* T.
10,713. Davey, W. L., & Maucum, A. J.
10,714. Guthridge, N. (Brown)
10,715. Brown, F. G.
10,717. Gray, R., & Harris, G.
10,718. Fairfax, E. H.
10,719. Eckersley, J.
10,720. O'Neill, J. M.
10,721. Rolfe, H. C. L'O.
10,722. Rolfe, H. C. L'O.
10,723. Trewhella, B. & W.
10,725. Houlden, R. (Haslam)
10,728. Duesbury, J. W. (Custer)
10,730. Morter, G. E.
10,731. Mitchell, F.
10,732. Mead, W. C.
10,733. Osmond, J.
10,734. Whittaker, G. J.
10,736. Stone, A. W. & F., and Cumming, R.
10,737. August, H.
10,738. Tonks, F.
10,742. Porter, J.
10,743. Rylatt, F. V.
10,746. Un. Shoe Mach. Co. (Jerram & Gouldbourn)
10,747. Un. Shoe Mach. Co. (Bates)
10,751. Lloyd, A. G.
10,755. Acott, P. F.
10,759. Quertier, H.
10,760. Holmes, H. W. J.
10,761. Henry, A.
10,762. Herbst, C. G. A.
10,764. Nott, W. J.
10,765. Wallace, H. J.
10,769. Lomas, J.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8644. Montague Moore, 314 Collins-street, Melbourne, Vic., mining agent, and Thomas James Heskett, 2 Donald-street, Brunswick, Vic., engineer,

"Improvements in the process of and apparatus for directly reducing iron ore and subsequently treating same for the manufacture of wrought iron and steel." 5th Mar., 1908.

8897. Frank Baker, Malua-street, Brighton, Vic., engineer,

"Improvements in and relating to draw bars on railway vehicles." 5th Mar., 1908.

8920. John William Faul, Hargreave-street, Bendigo, Vic., ironmonger,

"Improved means for protecting compo gas and other piping." 6th Mar., 1908.

8929. David Anderson, "Fairview," Stawell, Vic., gentleman,

"An improved spark arrester." 11th Mar., 1908.

8958. David Richardson, 21 Whitehall-street, Footscray, Vic., engineer, and Robert Gillespie, 4 Vauclause, Richmond, Vic., printer,

"Improved method of determining the amount of water in wool or other material and apparatus therefor." 11th Mar., 1808.

8999. Cecil Julius Bert, 8 Royal-arcade, Bourke-street, Melbourne, Vic., commercial traveller (Albert Jacob Bert, Box 624, G.P.O., Sydney, N.S.W., gentleman),

"An improved method of advertising." 9th Mar., 1908.

10,293. Jean Batiste George Le Claire, Mackay, Qld., sugar boiler,

"An improved process for the clarification of sugar cane juices." 9th Mar., 1908.

10,397. Walter Sigmont, 18 View-street, Woollahra, N.S.W., electrical engineer,

"An improved device for holding playing cards." 5th Mar., 1908.

10,614. William Silver, Peel-street, Tamworth, N.S.W., engineer,

"Improvements in sheep shearing machines." 6th Mar., 1908.

10,680. Robert Houlden, 105 Johnston-street, Fitzroy, Vic., dealer,

"An improved floor jack or cramp." 7th Mar., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8613. Blundell, G. G.
8616. Ames, R.
8617. Jennings, F. M.
8620. Pickard, G. H., & Peacock, D.
8621. Harper, A., & Elphick, E. W.
8629. Raven, F.
8632. Coombe, Agnes
8633. Smith, J.
8635. Roberts, G. (Roberts & Johnson)
8636. Roberts, G.
8639. Leonard, F. J.
8640. Nicholas, A. M.
8641. Baker, S. R. & E. A.
8642. Wedderburn, A.
8643. Hainsworth, C. H.
8645. Coleman, G.
8648. Hannington, G. H., & Grant, J. H.
8654. Watson, J. I.
8659. Martin, J. F. (Bigelow)
8660. Browne, F. G., & Lungley, C. F.
8661. Howcroft, W. J.
8662. Howcroft, W. J.
8663. Howcroft, W. J.
8664. Howcroft, W. J.
8665. Starrett, A.
8666. Foster, F. H. (Foster)

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8309. Northway, R. H.
8425. Malley, F.
8431. Gerson, F., & English, W. G.
8432. Clarke, J. F., & Davies, R. N.
8464. Richmond, J.
8466. Findlay, E. A.
8646. Campbell, J. L.
8727. Donaldson, M., & Williams, W. G.
8738. Fortescue, A. J.
8785. Un. Shoe. Mach. Co. (Bayard)
8870.*General Elec. Co. (Creighton)
8875. de Bavay, A. J. F.
8931. White, W.
9134. Mitchell, F., & Beckett, J. T.
9167.*Aktieselskabet Kasseapparatet Sana (Ludvigsen)
9901. Homan, W. M.
10,187.*Wade, E. M.
10,197. Carter, T. E.
10,205. Thomson, R., Lording, A. J., & Howden, W.
10,239. Parker Mach. Co. (Ronchetti)
10,265. Close, J., & Penfold, F. E. & W. C.
10,288. Carlisle, W. E.
10,368. Ljungström, F.
10,370.*Waters, E. N. (Hasenbach)
10,373. Eastman, E. A.
10,381. Smart, T. C.
10,410. Morris, F. W., Raine, J. B., Kerr, J., & McLachlan, C.
10,452. Caught, J. N.
10,467. Fischer, A.
10,479. Smith, V. G.
10,481. Reid, G. M.
10,484. Ford, J.
10,491. Robson, G.
10,541. Hommel, W.
10,564. Smith, R. M.
10,568. Schoop, M. U.
10,573. Austral Canning Co. Pty. Ld. (Webster)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8870. General Electric Company, Lyons-street, Schenectady, New York, U.S.A., manufacturers (*assignee of* Elmer Ellsworth Farmer Creighton, *act. inv.*, South Section, South College, Union University, Schenectady, New York, U.S.A.),

"Protective devices for electrical systems and apparatus."

9167. Aktieselskabet Kasseapparatet Sana, Ryesgade 27, Copenhagen, Denmark, manufacturer (*assignee of* Edvard Ludvigsen, *act. inv.*, Ryesgade 27, Copenhagen, Denmark, manufacturer),

"Hygienic cash-register."

10,187. Erwin M. Wade, 623 N. Boyle-avenue, Los Angeles, Cal., U.S.A., assayer,

Application under Sec. 121.

[Date applied for 15th Nov., 1906, being date of U.S.A. Application Serial No. 343,583, Grant No. 854,972, patented 28th May, 1907.]

"Improvement in filters."

10,370. Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Verein Chemischer Fabriken in Mannheim, Wohlgelegen-Mannheim, Germany, chemical manufacturers. *assignee of* Wilhelm Hasenbach, *act. inv.*, Wohlgelegen-Mannheim, Germany, chemist),

"Improvements in the manufacture of reduction products of sodium sulphate so as to obtain them in solid anhydrous pulverulent form."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.1	Sun dials for mean solar time; gnomon of varying diameter ...	Homan	9901
00.7	Ventilating or inspection tubes in stored goods for detecting heat and damp, or extinguishing fire. (00.8; 37.6; 88.2)	Smith	10,564
00.8	Ventilating or inspection tubes in stored goods for detecting heat and damp, or extinguishing fire. (00.7; 37.6; 88.2)	Smith	10,564

Group 04.—Electric Apparatus.

04.3	Protecting lightning discharges, &c., from arcing, by an electrolyte and gap. (04.7)	Creighton	8870
04.7	Protecting lightning discharges, &c., from arcing, by an electrolyte and gap. (04.3)	Creighton	8870

Group 07.—Electrolysis and Batteries.

07.6	Liberating formic acid for white lead manufacture. (08.4; 79.3)...	Morris	10,410

Group 08.—Mineral Chemistry.

08.1	Infusible pulverulent mixture of sodium sulphide and carbon and its uses for CO, H_2S, N, Na_2CO_3, NaHS, $Na_2S_2O_3$. (08.9)	Hasenbach	10,370
08.4	Precipitating lead carbonates from formates by ammonia carbonates. (07.6; 79.3)	Morris	10,410
08.9	Infusible pulverulent mixture of sodium sulphide and carbon; and its uses for CO, H_2S, N, Na_2CO_3, NaHS, $Na_2S_2O_3$. (08.1)	Hasenbach	10,370

Group 11.—Mech. and Elec. Separation.

11.4	Preventing dust flotation in wet concentrators by removing the air film with sulphurous acid solution, &c. (12.2; 12.5) ...	de Bavay C.a.P.	8875

Group 12.—Hyd. and Pneu. Separation.

12.2	Preventing dust flotation in wet concentrators by removing the air film with sulphurous acid solution, &c. (11.4; 12.5)	de Bavay C.a.P.	8875
12.5	Preventing dust flotation in wet concentrators by removing the air film with sulphurous acid solution, &c. (11.4; 12.2) ...	de Bavay C.a.P.	8875

Group 15.—Metallurgy in Furnaces.

15.4	Fluoride fluxes for aluminium joints. (73.6)	Schoop	10,568

Group 16.—Furnaces.

16.47	Roaster; central rotary hearth inside fixed annular finishing hearth. (16.5)	Hommel	10,541
16.5	Rotary central hearth under fixed ploughs; moves radial rabble arms over fixed annular hearth. (16.47)	Hommel	10,541

Group 17.—Chimneys, Fumes, Smoke.

17.8	Conical straining cap; internal rotary deflectors and external brushes	Northway C.a.P.	8309

Complete Specifications Accepted—*continued.*

Group 22.—Candles and Lamps.

22.8	Alternate strokes of bellows reverses mercury-loaded beam linked to valves	Robson	10,491

Group 24.—Domestic Heating; Cooking.

24.5	Heating flues in vats; longitudinal upper corrugations	Fischer	10,467

Group 28.—Distillation and Filtration.

28.2	Horizontal rotary compartment filter; central distribution of suction, &c.; external deposit, &c. (Section 121)	Wade	10,187

Group 36.—Dairy Food.

36.7	Washing granular butter in the churn, by water admitted at the bottom	Smith	10,479

Group 37.—Pastoral.

37.6	Ventilating or inspection tubes in stored goods for detecting heat and damp or extinguishing fire. (00.7; 00.8; 88.2)	Smith	10,564

Group 38.—Fowling; Fishing; Trapping.

38.6	Triangular netted run with platform operated balanced gates ...	Gerson	C.a.P. 8431

Group 44.—Boots and Shoes; Umbrellas.

44.3	Process of proportionate stretching of uppers during lasting. (44.5)	Bayard	C.a.P. 8785
44.3	Detachable heels; screw studs and keyhole socket plates, &c. ...	White	C.a.P. 8931
44.3	Crooked lasts; to bring centre of sole areas under centre of wear. (44.5)	Eastman	10,373
44.5	Chain operated lasting grips and detents; stretching uppers proportionally to a scale. (44.3)	Bayard	C.a.P. 8785
44.5	Crooked lasts; to bring centre of sole areas under centre of wear. (44.3)	Eastman	10,373

Group 45.—Furniture.

45.1	Baby chair converted from go-cart. (45.2; 93.2)	Ford	10,484
45.2	Child's swinging cot converted from go-cart. (45.1; 93.2) ...	Ford	10,484
45.6	Sliding jointed fenders for variable widths of hearth	Smart	10,381

Group 48.—Paper; Bookbinding.

48.3	Selecting perforating punches to form figures, &c., in totalizator. (50.7; 53.3; 56.2; 60.3)	Donaldson	C.a.P. 8727

Group 50.—Typographic Printing.

50.4	Vertically moving platen; link-work operating three positions. (60.1)	Ronchetti	10,239
50.7	Numbering and dating, &c., by selective perforation, for manifold tickets, &c. (48.3; 53.3; 56.2; 60.3)	Donaldson	C.a.P. 8727
50.8	Auxiliary frame with inking and printing rollers for extra colours ...	Close	10,265

Group 53.—Amusements.

53.3	Ball totalizator; duplicate ticket perforating; ball escapements; electrical locking, &c. (48.3; 50.7; 56.2; 60.3)	Donaldson	C.a.P. 8727

Group 55.—Money.

55.2	Sanitary till; notes and coin mechanically inserted or withdrawn; MS. record. (55.5; 86.8)	Ludvigsen	9167
55.5	Cash till; sorting receptacles; MS. record strip. (55.2; 86.8) ...	Ludvigsen	9167

Complete Specifications Accepted—*continued.*

Group 56.—Counting, Measuring, Weighing.

56.2 Numbering and dating, &c., by selective perforation, for manifold tickets, &c. (48.3; 50.7; 53.3; 60.3) Donaldson C.a.P. 8727

Group 57.—Packing, Compressing, Bottling.

57.5 Cork packed plug-tap in bottle necks Thomson 10,205

57.5 Double folded canister edge with tearing strip; lid replacable after opening Webster C.a.P. 10,573

Group 60.—Mechanism; Lubrication.

60.1 Linkwork moving, locking typing platen in three positions. (50.4)... Ronchetti 10,239

60.3 Rocking and other ball escapements in totalizators. (48.3; 50.7; 53.3; 56.2) Donaldson C.a.P. 8727

60.3 Reciprocating piston drives reversing nut on crossed thread screw continuously rotating. (64.5; 64.8; 92.2) Caught 10,452

Group 64.—Cranked Engines.

64.5 Piston valves driven by swivelling half-nuts on crossed screw on main shaft. (60.3; 64.8; 92.2) Caught 10,452

64.8 Single cylinder drives nut on crossed-screw shaft; bearings and mounting of swivelling half-nuts. (60.3; 64.5; 92.2) ... Caught 10,452

Group 67.—Turbines; Rotary Motors.

67.5 Water motor; endless vertical chain of buckets in casings Clarke C.a.P. 8432

Group 70.—Casting and Stamping.

70.2 Hopper and horizontal plunger for squirting vented sand cores, &c... Campbell C.a.P. 8646

70.2 Casting the less fusible metals in metal moulds by sudden jets from hydraulic plungers Ljungström 10,368

Group 73.—Sheet Metal Work.

73.6 Flouride fluxes for aluminium joints. (15.4) Schoop 10,568

Group 76.—Cutlery; Plate.

76.8 Egg whisk; rotary paddle attached to Archemedian drill stock ... Mitchell C.a.P. 9134

Group 77.—Locks, Bolts, Safes, &c.

77.1 Rack, pinion and rollers for sashes; sliding notch-plate locks square shaft. (78.7) Carter 10,197

Group 78.—Structural Hardware.

78.4 Nut-lock; split conical sleeve and tapered external nut Carlisle 10,288

78.7 Rack, pinion and rollers for sashes; sliding notch-plate locks square shaft. (77.1) Carter 10,197

Group 79.—Paints, Adhesives, &c.

79.3 White lead; corroding metal with formic acid and reaction by Am_2CO_3, &c. (07.6; 08.4) Morris 10,410

Group 81.—Buildings, Streets, Fencing.

81.4 Skylight combing in G.C.I. roofs; gutter clips, &c., for glass sheets. Malley Ca.P. 8425

Complete Specifications Accepted—*continued.*

Group 84.—Excavation and Dredging.

84.3	Turn-over wheeled scoop; tilting and door operating levers, &c. ...	Findlay	C.a.P. 8466

Group 86.—Sanitation.

86.2	Flush cistern; siphoning by rocking piston	Richmond	C.a.P. 8464
86.8	Sanitary till; notes and coin mechanically inserted or withdrawn, to avoid infection. (55.2; 55.5)	Ludvigsen	9167

Group 87.—Medicine.

87.2	Inhaler for medicated air; lamp, cup, hood and pipe	Reid	10,481

Group 88.—Salvage, Accidents.

88.2	Ventilating or inspection tubes in stored goods for detecting heat and damp or extinguishing fire. (00.7; 00.8; 37.6)	Smith	10,564

Group 92.—Marine Propulsion.

92.2	Horizontal engine for lowering centre of gravity in ship's machinery. (60.3; 64.5; 64.8)	Caught	10,452

Group 93.—Road Vehicles.

93.2	Folding baby carriage convertible into cradle or chair. (45.1; 45.2)	Ford	10,484
93.4	Fish plate and cotter fastening for internally packed channel tyres...	Fortescue	C.a.P. 8738

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

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Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,975. John HUTCHINGS, Capel House, 62 New Bond-street, London, Eng., mechanican and mining engineer,

Application under Sec. 121.

[Date applied for 12th Mar., 1907, being date of application in Great Britain, No. 5978/07.]

"Improvements in and relating to rock-drills or boring-tools."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

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The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
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and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne: price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6065. H. C. Smith. *Electric lamp pendants.* Class 06.6.

6079. A. O. Sachse (Beck). *Manufacture of tubes.* Classes 71.3; 71.4; 74.1.

6472. E. A. Emery. *Lubricating pneumatic machinery.* Classes 60.9; 96.6.

6826. Tregurtha and Hughes. *Plough share.* Class 30.3.

7459. W. A. Johnston. *Cleaning saucepans, &c.* Classes 25.9; 75.8; 76.8.

1907.

8054. A. Vogt. *Pumps, compressors, engines, &c.* Classes 66.2; 66.5; 66.7; 69.4.

8065. W. A. Merralls. *Cyaniding.* Classes 10.8; 14.1; 14.4; 14.7; 28.1.

8144. J. H. Ryan. *Electrolytic apparatus.* Class 07.6.

8183. F. R. Beuhne. *Separating honey and bees-wax.* Class 38.4.

8188. L. Anker. *Packing of filter-plates.* Classes 27.1; 28.1; 47.5.

8190. The Brit. Westinghouse E. & M. Co. Ltd. (Lamme). *Dynamo-electric machines.* Classes 02.3; 02.4; 04.7.

8191. The Brit. Westinghouse E. & M. Co. Ltd. (Lamme). *A.C. commutator motors.* Classes 02.4; 04.7.

8192. The Brit. Westinghouse E. & M. Co. Ltd. (Lamme). *Dynamo-electric machines.* Classes 02.4; 03.4; 04.7; 96.6.

8218. The Chloride Electrical Storage Co. Ltd. (Heap). *Accumulator batteries.* Classes 07.3; 80.1.

8222. P. O. Pedersen. *Wireless telegraphy.* Class 05.5.

8257. B. J. Goldsworthy. *Windlass with self-acting tip.* Classes 39.1; 59.2.

8272. Checkogram Ltd. (Stockall). *Electric circuit closing devices.* Classes 04.3; 54.2.

8302. F. Cotton. *Treating ores for magnetic separation.* Classes 11.7; 15.2; 16.40.

8319. C. Whitfield. *Furnace grates.* Classes 16.8; 16.30.

8323. Bertha Trautmann. *Indicating the position of trains.* Classes 04.4; 98.2; 99.4.

8382. J. T. Andrew. *Safety appliances for cars, &c.* Classes 96.3; 96.6.

8385. G. G. Turri (Sutherland). *Rifle sights.* Class 89.5.

Printed Specifications Published—*continued.*

1907.

8400. S. Lake. *Dredging vessel.* Classes 82.8; 84.8.
8414. E. N. Waters (McCarty). *Wireless transmission.* Classes 02.6; 05.5; 05.7.
8531. H. W. Dover. *Pneumatic tyres.* Classes 93.4; 97.83; 97.89.
8561. C. Remelius. *Removing gears from shafts, &c.* Classes 59.1; 62.8.
8618. Mono Service Vessels Ltd. (Taylor). *Paper milk vessel.* Classes 36.2; 48.5.
8744. J. Anderson. *Polishing cutlery.* Classes 75.2; 76.8.
8763. R. E. Trottier. *Classifying ores, &c.* Classes 10.1; 12.2; 12.7.
8850. Aitken and Mackie. *Roll for sugar-cane.* Classes 10.3; 33.1.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*4th March, 1908.*			
7431	23 Nov.	A. Wauchope, G. B. Butterworth, & G. Adams	W.A.	Push conveyor carriage ...	581
7433	23 Nov.	H. Stiles	Vic.	Cycle locking, &c. ...	581
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8130	27 Feb.	W. A. Caldecott... ...	S. Af.	Separating liquids from ores	687
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8811	27 May	H. J. Marks	Qld.	Railway car couplings ...	390
8871	31 May	H. B. Arden	U.S.A.	Digging apparatus ...	315
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8960	12 June	T. Winstanley	Eng.	Lime-sand bricks ...	335
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Letters Patent Sealed—*continued.*

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8801	23 May	Stratton Rotating Engine Co. (Stratton)	U.S.A.	Rotating engines ...	295
8989	17 June	R. Groombridge	Tas.	Curative preparation ...	353
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VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No	Name.	Paid up to—
17,943 ...	General Manifold Co. ...	19th Feb., 1915
17,944 ...	General Manifold Co. ...	19th Feb., 1915
17,945 ...	General Manifold Co. ...	19th Feb., 1915
17,981 ...	Sweet, G.	6th Mar., 1915
18,096 ...	Page, F. T.	26th Apr., 1915

Assignments Registered.

1901.

18,072. "Method or process of and apparatus for decorating wood work."

Assignment of the whole *by* Henry SMITH *to*

Rothwell Richard GRUNDY. Dated 5th Sept., 1904. Registered 9th Mar., 1908.

1903.

20,200. "Improved process of and combination of materials to be used in decorating wood work."

Assignment of the whole *by* ARTISTIC WOODWORK PROPRIETARY LIMITED *to*

Rothwell Richard GRUNDY. Dated 5th Sept., 1904. Registered 9th Mar., 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fee Paid.

1898.

No,	Name.	Paid up to—
4331 ...	Haskin Wood Vulcanizing Co., Ld. ...	22nd Mar., 1909

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8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
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10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
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Vol. 8.] 1908. [No. 11.

Tuesday, 24th March.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE

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Notices.

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C.3381.

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NOTICE IS HEREBY GIVEN that THE EDISON ORE MILLING SYNDICATE is prepared to satisfy any demands and all requirements of the public with respect to the undermentioned Australian Patents, viz.:—

No. 3134, dated 9th May, 1905—"Improvements in or relating to magnetic separators and electro-magnets applicable for use therein."

No. 7661, dated 27th December, 1906—"Improved magnetic separator."

Further information and particulars obtainable from—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.



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Associate Work.

P. M. NEWTON, Patent Attorney

MARKET BUILDINGS,

437 COLLINS ST., MELBOURNE.

And at Hobart and Launceston. Estab 1895.

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VOL. 8.] 24TH MARCH, 1908. [No. 11.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.3381.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 12th to 18th March, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 12th March.

11,028. *Comp.* Henry TURNER, Fletcher-street, Woollahra, N.S.W., carpenter,

"Improvements in pumps for compressing air or gases and for producing partial vacuum."

11,029. *Prov.* Henry Edwin McDONALD, 263-269 Kent-street, Sydney, N.S.W., merchant,

"Improvements in projectiles."

11,030. *Comp.* Cyril Arthur SOANS, 1703 Melrose-street, Chicago, Ill., U.S.A., electrical engineer, and Albert Henry GRAVES, 1240 Monadnock Block, Chicago, Ill., U.S.A., attorney-at-law,

"Party-line telephones."

11,031. *Prov.* Walter Henry DUNCAN, Glen Oroua, Wellington, N.Z., dairy factory manager,

"Improvements in the construction of water heaters."

11,032. *Prov.* Frederic Ineledon SAYERS, 555 King-street, Newtown, N.S.W., picture framer,

"Sayers' sanded slip & sanded mount-board."

11,033. *Comp.* Frederick Charles THOMPSON, 149 Chester-street, Christchurch, N. Z., inventor,

Application under Sec. 121.

[Date applied for 5th Apr., 1907, being date of application in N.Z., No. 22,646/07.]

"A bracket attachment for fixing blinds to window sashes."

11,034. *Prov.* George CLARK, St. Edmunds, Rothschild-street, Glen Huntly, Vic., architect,

"Improvements in and relating to building-sections for walls roofs ceilings and floors."

11,035. *Prov.* George CLARK, St. Edmunds, Rothschild-street, Glen Huntly, Vic., architect,

"A moulding box for the construction of damp proof building-sections."

11,036. *Comp.* James ALLARD, Glenlyon-road, Brunswick, Vic., manufacturer,

"Improvements in circular flower-pot saucers and like articles, and dies therefor."

11,037. *Prov.* Nehemiah GUTHRIDGE, 486 Collins-street, Melbourne, Vic., merchant (*assignee of* Howard G. KING, *act. inv.*, Denver Col., U.S.A., engineer),

"Improvements in ore screens."

11,038. *Comp.* Nicol Alexandra BOOTH, 91A Princes-street, Dunedin, N.Z., builder,

"Improved automatic, graduated, thief-proof sash fasteners."

Friday, 13th March.

11,039. *Prov.* Stephen JONES, Orlando-street, Hampton, near Brighton, Vic., gasfitter, and Arthur Henry BENNETT, 4 Auburn-parade, Upper Hawthorn, Vic., gasfitter,

"Improved anti-vibiator for suspended gas fittings."

11,040. *Prov.* Alexander Elder MAXWELL, 237 Collins-street, Melbourne, Vic., land agent,

"An improved telephone call or number recording apparatus."

11,041. *Prov.* Annie GUNN, householder, and Harry Hobson HOOKE, clerk, both of "Marnoo," 24 Jolimont-terrace, Jolimont, Vic.,

"An improved meat slicer."

Applications received, 12th to 18th March—*continued.*

11,042. *Prov.* Frank Robert Jones, Lerida Station, Corfield, Qld., station manager,

"Improved means for extinguishing grass fires."

11,043. *Prov.* Carl Lundberg, 325 Cleveland-street, Sydney, N.S.W., carpenter,

"Self-acting sitting or reclining chair."

Saturday, 14th March.

11,044. *Comp.* Matthew Stobbs, 57 Ivy-street, Redfern, N.S.W., engineer,

"An improved mode of and apparatus for reducing the smoke discharge from boiler and other analogous furnaces."

11,045. *Comp.* Frederick Walter Bawden, 43 Green's Buildings, Commissioner-street, Johannesburg, Transvaal, S. Af., mining engineer,

"Improvements in explosives."

11,046. *Prov.* Frederick Arthur Lawrence Hall, Gamble-street, East Brunswick, Vic., compositor,

"Improvements in and connected with and means of operating monotype mould-blades to cast low em, en, and justifying spaces in monotype machine composed printing matter."

Monday, 16th March.

11,047. *Prov.* William Isaac Saunderson, 75 Francis-street, Glebe, Sydney, N.S.W., tram driver; Arthur Reginald Townsend, 32 Burren-street, Newtown, N.S.W., tram driver; and Saml. Jas. Turnbull, 275 Elizabeth-street, Sydney, N.S.W., engineer,

"T.S.T. liftwell life saver."

11,048. *Prov.* Walter Joseph Price, Martland-street, Narrabri, N.S.W., engineer,

"An improved gearing for windmills and the like."

11,049. *Prov.* James Henrie Hewitt, 26A Market-street, Melbourne, Vic., printer,

"Two stud and base office file."

11,050. *Prov.* Anthony James Callinan, 493-495 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Alexander John Arbuckle, *act. inv.*, mechanical engineer, and Alfred Osborn, mine manager, both of 1 Main-street, Belgravia, Johannesburg, Transvaal, S. Af.),

"Improvements in continuous filter presses."

11,051. *Prov.* Benjamin Trewhella and William Trewhella, trading as "Trewhella Bros.," Trentham, Vic., engineers and ironworkers (*assignees of* William Trewhella, *act. inv.*, Trentham, Vic.),

"Improved rope hauling apparatus."

11,052. *Prov.* John Edward Friend, 22 Ebley-street, Waverley, N.S.W., civil engineer,

"An improved turbine."

11,053. *Prov.* Harold Alfred Cornes, 55 West-street, Auckland, N.Z., clerk,

"A razor strop attachment to men's braces."

11,054. *Prov.* James Wilson, 9 Albert-street, Yarraville, Vic., mechanical engineer,

"Automatic chain, wire and cable adjuster."

11,055. *Prov.* Robert Bradford, "Empire Cottage," Mary-street, Auburn, N.S.W., ironmoulder,

"Improvements in harness tugs."

11,056. *Prov.* John Sutton, Parramatta-road, Forest Lodge, N.S.W., manufacturer,

"Food combination."

11,057. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Orrell Ashton, *act. inv.*, 78 Butler-street, Lawrence, Essex, Mass., U.S.A., machinist),

"Improvements in or relating to machines for assembling parts of boots and shoes."

11,058. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Orrell Ashton, *act. inv.*, 78 Butler-street, Lawrence, Essex, Mass., U.S.A., machinist),

"Improvements in or relating to pulling-over machines."

11,059. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Jacob

Applications received, 12th to 18th March—*continued.*

Rupert SCOTT, *act. inv.*, 44 West Newton-street, Boston, Mass., U.S.A., mechanical engineer),

"Improvements in and relating to sewing machines."

11,060. *Prov.* Lewis Grant ABRAMS, Cranbrook, Wigram-road, Glebe Point, Sydney, N.S.W., broom manufacturer (*communicatee of* Messrs. FOULKE & MATSON, South Main-street, Wichita, Kansas, U.S.A., attorneys, *legal representatives of* A. I. COCHRAN, *act. inv.*, and Dr. G. W. IRICK, *assignee*),

"An improved millet or broom corn broom."

11,061. *Prov.* William Horton FLETCHER, Eikenhof, Jackson's Drift, Transvaal, S. Af., mining engineer,

"Improvements in mills or apparatus for crushing or pulverising ores, minerals and the like."

Tuesday, 17th March.

11,062. *Prov.* Lewis Grant ABRAMS, Cranbrook, Wigram-road, Glebe Point, Sydney, N.S.W., broom manufacturer,

"Improvements in paint, kalsomine whitewash, and limewash brushes and the like."

11,063. *Comp.* William Joseph KENT, 243 Garfield-place, Brooklyn, New York, U.S.A., manufacturer,

"Machines for cutting sugar cane trash, etc."

11,064. *Comp.* Ernst Fredrik Werner ALEXANDERSON, Schenectady, New York, U.S.A.,

"Improvements in alternating-current motors."

11,065. *Comp.* Philip Ferdinand PECK, 42 Woodland Park, Chicago, Cook, Ill., U.S.A., inventor,

"Improvements in centrifugal ore separators."

11,066. *Comp.* Philip Ferdinand PECK, 42 Woodland Park, Chicago, Cook, Ill., U.S.A., inventor,

"Improvements in centrifugal ore separators."

11,067. *Comp.* Harry Lewis McCOY, 2713 Portland-avenue, Minneapolis, Minn., U.S.A., manufacturer,

"Colander."

11,068. *Prov.* William Arthur GOODE, 2 Rowe-street, North Fitzroy, Vic., contractor,

"An improved luggage or goods label."

11,069. *Prov.* Jacob MORRIS, 432 Park-road, Moore Park, N.S.W., canister manufacturer,

"Improvements in ladies' hat fastenings."

11,070. *Comp.* Vincent Milatovich BEEBE, 140 Queen Victoria Market, Sydney, N.S.W., manager,

"An improved tie."

11,071. *Comp.* Horace George NICHOLS, Ymir, British Columbia, Canada, mining engineer,

"An improved slimes-separator."

11,072. *Comp.* Tomas L. MULLALLY, 745 Calle Tucuman, Buenos Aires, Argentine Republic, farmer,

"Dismountable covering for hay and other stacks, piles of sacks, open loaded railway waggons and the like."

11,073. *Comp.* Robert HOE, 504 Grand-street, New York, U.S.A., printing press manufacturer (*assignee of* Edward Penniman SHELDON, *act. inv.*, 86 Monroe-street, New York, U.S.A., mechanical draftsman),

"Sheet piling devices."

11,074. *Comp.* Robert HOE, 504 Grand-street, New York, U.S.A., printing press manufacturer (*assignee of* Edward Penniman SHELDON, *act. inv.*, 86 Monroe-street, New York, U.S.A., mechanical draftsman),

"Inking devices."

11,075. *Comp.* James Mayne TRUSCOTT and Edward Ernest TRUSCOTT, both of St. Joseph, Michigan, U.S.A.,

"Improvements in exhaust mechanism for explosive engines."

11,076. *Prov.* William John WRIGHT, carpenter, and Patrick Hubert MOONEY, miner, both of Rosewood, *viâ* Wagga, N.S.W.,

"Spiral spring rabbit trap and setter."

Applications received, 12th to 18th March—*continued.*

Wednesday, 18th March.

11,077. *Comp.* John Roger Preston, 5 China-street, Lancaster, Lancashire, Eng., sanitary engineer,

"Improvements in apparatus for hot water supply."

11,078. *Comp.* Henry Auchu, Emporium, Cameron, Penn., U.S.A., manufacturer,

"Improvements in machines for forming a cartridge rope from explosive gelatin."

11,079. *Comp.* Charles Freeman Chapman, 218 North Peach-street, Philadelphia, Penn., U.S.A., mechanical engineer,

"Improvements in implements for cutting shaped sections from glass sheets."

11,080. *Prov.* Benjamin Trewhella and William Trewhella, trading as "Trewhella Bros,," Trentham, Vic., engineers and ironworkers (*assignees of* William Trewhella, *act. inv.*, Trentham, Vic.),

"Double pinion toothed gear train."

11,081. *Comp.* Alex. Fischer, 16 Maclise-road, Kensington, London, Eng., gentleman,

"Improvements in the construction of sound boxes for talking machines."

11,082. *Comp.* The Birmingham Small Arms Company Limited, Armoury-road, Small Heath, near Birmingham, Eng., manufacturers (*assignee of* Augustus Henry Murray Driver, *act. inv.*, consulting engineer, and George Norman, *act. inv.*, chief engineer, both of Small Arms Factory, Small Heath, near Birmingham, Eng.),

"Improvements in bolt action rifles."

11,083. *Prov.* William Robert Gray, Glynde-road, Payneham, S.A., gardener,

"'The Gray' wall paper trimming and scolloping and cutting machine."

11,084. *Comp.* Carl Jost, Standard Buildings, Fort, Bombay, Brit. India, engineer,

"Improvements in heating appliances for cooking stoves, small hot air engines, model steam engines, and the like."

11,085. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Electric Railway Improvement Company, Cleveland, Ohio, U.S.A., manufacturers, *assignees of the act. inv.*),

"Improved method of homogeneously uniting metal bodies by heat."

11,086. *Prov.* Adair-Usher Process Limited, 82, 83, 84 Exploration Buildings, Johannesburg, Transvaal, S.Af. (*assignee of* Charles Edwin Draper Usher, *act. inv.*, 33 Walter Mansions, Eloff-street, Johannesburg, Transvaal, S.Af., assayer),

"Treatment of sands or the like with liquids."

11,087. *Comp.* Harry MacIntosh, civil engineer, and George Henry Baylis, contractor, both of 5 Morrahs' Buildings, Willis-street, Wellington, N.Z.,

"Improvements in ornamental fans, and other articles made from paper and like substances and adapted for advertising and other purposes."

11,088. *Comp.* Percy Hebden Constantine, 6 Thomas Holden-street, Bolton, Lancashire, Eng., gentleman; Frederick William Constantine, 152 Chorley New-road, Bolton, Lancashire, Eng., gentleman; and Thomas George Kay, 4 Back Cheapside, Bolton, Lancashire, Eng., gentleman,

"Improvements in machines for spinning, doubling and twisting yarns or threads of fibrous substances."

11,089. *Prov.* James Winters, Main-road, Fern Tree Gully, Vic., blacksmith, and Farquhar George McIntosh, Upper Fern Tree Gully, Vic., manager,

"Improvements in the reinforcement of road or other vehicle bodies."

11,090. *Comp.* British Cerofirm Company Limited, 2 & 3 West-street, Finsbury Circus, London, E.C., Eng., manufacturers (*assignee of* Dr. C. Richard Böhm, *act. inv.*),

"A new and useful method of producing incandescent mantles."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,523. Langdon, N. F., and McDonald, S. J.

10,524. Langdon, N. F., and McDonald, S. J.
An expansion shield for anchoring brackets.

10,602. Ellis, J. N.

10,637. Holloway, J. E.

10,647. Boll, P., & Falkiner, R.

10,689. Seeley, L. E.
Fuel saver and heat regulator for register and tile grates.

10,770. McGregor, J.

10,771. Kilborn, A.

10,773. Stuart, H. A.

10,775. Warner, T., Kannuluik, J., & Paget, C. E.

10,781. Wilson, J.

10,783. Short, E. L.

10,787. Winn, S.

10,789. Lungley, C. F.

10,793. Roos, E. (Bruley)

10,794. Morgans, A. E.

10,795. Dike, Dorothy W.

10,797. Shearer, J. & D.

10,776. Wallace, R. W., & Reynaud, G.

10,796. Dyer, B. R.

10,801. Hall, F. R.

10,803. Pedersen, J.

10,809. Keogh, E. J. (Corbett).

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8724. John DRAFFIN, Laurieston, Westbrook, Qld., engineer,

"Apparatus to be used in feeding calves." 16th Mar., 1908.

8734. Henry John DANIELS, Edna Villa, Musgrave-road, Red Hill, Brisbane, Qld., farmer,

"Improvements in machines for harvesting and grading potatoes and the like root crops." 17th Mar., 1908.

8842. Oliver GRAY, Wedderburn, Vic., farmer and miner,

"A combined artificial inspirator and respirator for restoring animation in persons or animals apparently drowned or otherwise asphyxiated." 13th Mar., 1908.

8947. Kathleen ANGLIM, Tram Terminus, Dulwich Hill, Sydney, N.S.W., grocer,

"Improvements in lids or closures for earthenware or glass containers." 12th Mar., 1908.

8982. George Charles LITTLE, Darriwell, Trundle, Parkes, N.S.W., farmer,

"Improvements in disc harrows and the like." 16th Mar., 1908.

9011. John Kinsman OSBORN, Young-street, Parkside, S.A., waiter,

"Improvements in tobacco smoking pipes." 16th Mar., 1908.

9053. William Arthur CALDECOTT, Consolidated Gold Fields Buildings, Simmonds-street, Johannesburg, Transvaal, S.Af., metallurgist,

"Improvements in the treatment of crushed ore products, and apparatus therefor." 17th Mar., 1908.

9133. Andrew Edward CALLOW, Dovetonstreet, Ballarat, Vic., veterinary surgeon,

"Improvements in staples." 18th Mar., 1908.

9171. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* William Henry HOOPER, *act. inv.*),

"Improvement in channel flap layer." 18th Mar., 1908.

9172. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* Perley Richmond GLASS, *act. inv.*),

"Improvements in machines for forming and driving metallic fasteners or staples." 18th Mar., 1908.

9173. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* John Elsworth LEAVITT, *act. inv.*),

"Improvements in buffing machines, particularly those for boots and shoes, in pads therefor, and in the manufacture of said pads." 18th Mar., 1908.

9174. MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* John James HEYS, *act. inv.*),

"Improvement in stitch impression finishing machines." 18th Mar., 1908.

9244. George Peacock INNES, 141 York-street, Sydney, N.S.W., mechanical engineer,

Complete Specifications lodged after Provisional Specifications—*continued.*

and Thomas Con Allen, 163 King-street, Sydney, N.S.W., consulting engineer,

"A variable speed and reversible gear for revolving shafts." 13th Mar., 1908.

9587. James Forgan, Crystal Brook, S.A., ironfounder (*attorney of* Mary Ann Forgan and Agnes Wilson Forgan, trading together as J. & R. Forgan, Crystal Brook, S.A., ironfounders, *assignees of* John Charles Davies, *act. inv.*, Port Pirie, S.A., engineer),

"Improvements in stump jumping ploughs and other cultivating implements." 12th Mar., 1908.

10,029. Luther John Ambury, Raupo, Auckland, N.Z., farmer,

"Improvements in cow covers." 12th Mar., 1908.

10,460. Colin Christie, Lyceum Hall, Newcomen-street, Newcastle, N.S.W., teacher of shorthand, &c.,

"The typewriter sight shield and copy shelf." 18th Mar., 1908.

1908.

10,687. William Palmer, 50 Bent-street, Moonee Ponds, Vic., carpenter,

"Improved adjustable ventilating sashes for window frames and the like." 16th Mar., 1908.

10,881. William Watts, Amherst-road, West Midland, W.A., foreman railways department,

"Railway ticket issuing cabinet." 13th Mar., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 33.

1907.

8669. Harkness, A.
8670. Harris, W. H.
8671. Tyson, I.
8672. Young, R.
8673. Hooker, G.
8674. Strickland, J. H. B.
8675. Guthridge, N. (Long)
8678. Meagher, J.
8681. Kennedy, R. H.
8682. Duncan, W. H.
8683. Benn, B. W.
8686. Frasch, G. B.
8687. Wilkes, A. L.
8688. Bertram, G.
8690. Russell, J. B.
8692. Keen, W. McL., & O'Donnell, J. M.
8695. Baker, S. R.
8696. Guest, C. (Marlow)
8697. MacKenzie, H. W.
8698. Lavery, J.
8700. Merriman, S. D.
8702. Mews, T. W.
8703. Trenaman, C. St.C.
8706. Tyree, W.
8709. Ringdahl, A.

Assignments Registered.

1905.

2440. "Improvements in centrifugal liquid separators."

Assignment of the whole *by* Andrew Robert Robertson *to*

Johann Heinrich Friedrick Dierks and Carl Justus Möllmann. Dated 30th Jan., 1908, and 1st Feb., 1908. Registered 12th Mar., 1908.

2914. "An improved earth scoop grader and cultivator."

The name of John Coleman, assignee of the insolvent estate of the Grantee (William Perkins) has been entered in the Register of Patents as the proprietor of the Letters Patent. Date of Order of Insolvency Court 30th Nov., 1905. Registered 16th Mar., 1908.

2914. "An improved earth scoop grader and cultivator."

Assignment of the whole *by* John Coleman *to*

The State Rivers and Water Supply Commission. Dated 17th Feb., 1908. Registered 18th Mar., 1908.

1906.

5015. "Improvements in incandescent mantles."

Assignment of the whole *by* Adolphe Isidore Van Vriesland *to*

Coll Hermanos Company. Dated 20th Jan., 1908. Registered 16th Mar., 1908.

6903. "Improvements in automatic sprinklers."

Assignment of the whole *by* Laycock Son and Nettleton *to*

John Robertson. Dated 30th Nov., 1907, and 29th Jan., 1908. Registered 12th Mar., 1908.

1907.

7753. "Improvements in machines for corrugating metal sheets."

Assignment of the whole *by* Godfrey Benington Johnson *to*

Johnson's Patent Rolling Mill Company Limited. Dated 22nd Jan., 1907. Registered 12th Mar., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8250. McFarland, W. J.
8396. Greenwood, E. W.
8427. Beilke, W.
8745. Guthridge, N. (Brown)
8818. Jenkins, G. P.
8819. Jenkins, G. P.
9193. Kortlang, A. H.
9203.*Smith, C.
9294. Watson, W. C.
9314. Burfoot, J. & A.
9350. Brit. Westinghouse E. & M. Co. Ld. (Scott)
9423. Ozonair Ld. & Rogerson, F.
9662.*Whitney, A. N.
9816. Langman, A. P.
9818. The New Century Engine Co. Ld. (Field)
10,092. Neumann, C.
10,128. Holmes, J. (Holmes, *jun.*)
10,178. Schultze, G. F. W.
10,196.*Scheurmann, W.
10,262. Slipper, A. E., & Smith, D. J.
10,283. Hogan, J. J.
10,285. Slater, J.
10,289. J. C. Ludowici & Son Ld. (Ludowici)
10,292. Clark, R. O.
10,310. Bunning, G. E.
10,313. Sara, F.
10,328. Benn, J. C.
10,359. Roberts, D.
10,360. Roberts, D.
10,382. Kidder, W. P.
10,383. Steele, R.
10,392. Reseigh, E.
10,395. Christie, T. R.
10,398. Wiggins, W. (Wiggins & Bristow)
10,402. Broken Hill South Silver Mining Co. N.L. (Wainwright)
10,458. Chatfield, H.
10,480. Waters, E. N. (Schaller)
10,492. Zabriskie, A.
10,537.*Mühlinghaus, H.
10,545. Barrez, C.
10,579. Walker, J. W.

1908.

10,587. Acheson, E. G.
10,622. Martin, C.
10,682. Turri, G. G. (Highsmith)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

9203. Charles SMITH, "Tynwald," Birdhurst Rise, South Croydon, Surrey, Eng., gentleman,

Application under Sec. 121.

[Date applied for 18th July, 1906, being date of application in Great Britain, No. 16,242/06.]

"Improvements in fire and temperature alarms or indicators."

9662. Asa Norman WHITNEY, Melbourne Club, 36 Collins-street, Melbourne, Vic., marine captain and engineer, and ammunition manufacturer,

"Improvements in rifle ranges, targets and the like."

10,196. Walter SCHEURMANN, formerly of 153 Queen Victoria-street, London, Eng., now of 8 The Park, Newark-on-Trent, Eng., mechanical engineer,

Application under Sec. 121.

[Date applied for 26th Nov., 1906, being date of application in Great Britain, No. 26,823/06. Application also made in France, 4th Sept., 1907, No. 381,516; Germany, 28th Aug., 1907; Austria, 30th Aug., 1907; Hungary, 2nd Sept., 1907; Italy, 14th Sept., 1907; Russia, 25th Aug., 1907; Switzerland, 2nd Sept., 1907; Canada, 21st Sept., 1907; Mexico, 28th Sept., 1907; U.S.A., 14th June, 1907, Serial Number 378,885.]

"Improvements in centrifugal and like pumps."

10,537. Hermann MÜHLINGHAUS, 9 Blumenstrasse, Wiesbaden, Germany, merchant,

"Improvements in and relating to the extraction of tin from its ores."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 03.—Electric Railways and Power.

03.4 Neutralizing power circuit induction on telephones; several transformer combinations. (05.7) Scott 9350

03.8 Constant voltage from variable speed by combined auxiliary differential dynamos with or without rotating fields and storage cells. (96.8) Schaller 10,480

Group 04.—Electric Apparatus.

04.3 Alarm contact; weight guided in tube falls across two studs. (88.2.) (Section 121) Smith 9203

Group 05.—Telegraphy and Telephony.

05.7 Neutralizing power circuit induction on telephones; several transformer combinations. (03.4) Scott 9350

Group 10.—Crushing and Grinding.

10.3 Attaching liner slabs in tube mills by protected bars, &c. ... Brown C.a.P. 8745

10.8 Deflocculating graphite, &c.; replacing water by oil; U.S.A. 843,426/07 and 844,989/07. (60.9; 79.3) Acheson 10,587

Group 11.—Mech. and Elec. Separation.

11.3 Triple grading sieves; overlapping partial screens; horizontal and vertical shaking; slope adjustments. (32.6; 60.3) ... McFarland CaP 8250

Group 15.—Metallurgy in Furnaces.

15.6 Smelting tin ores and slags; drawing off volatile tin oxide. (16.33) Mühlinghaus 10,537

Group 16.—Furnaces.

16.33 Reducing and oxidizing tin slags; drawing off volatile tin oxide. (15.6) Mühlinghaus 10,537

Group 17.—Chimneys, Fumes, Smoke.

17.1 Vertically adjustable draft hoods for domestic grates; 2 forms. (24.2) Clark 10,292

Group 19.—Glass and Ceramics.

19.6 Blowing glass bottles; pneumatically handling divided moulds, &c. (65.4) Barrez 10,545

Group 24.—Domestic Heating; Cooking.

24.2 Vertically adjustable draft hoods for domestic grates; 2 forms. (17.1) Clark 10,292

Complete Specifications Accepted—*continued.*

Group 27.—Beverages.

27.1 Treatment of wort yeast, &c., by surface contact with ozonized air; *see* G.B.4548/03. (Section 121) Rogerson 9423

Group 29.—Refrigeration.

29.5 Convoluted brine tubes with blind central ammonia tubes; joints, &c. (36.3) Jenkins C.a.P. 8818

29.7 Tank storage of cold brine for intermittent or casual use in dairies, &c. (36.3) Jenkins C.a.P. 8819

Group 32.—Harvesting.

32.6 Triple grading sieves; overlapping partial screens; horizontal and vertical shaking; slope adjustments. (11.3; 60.3) ... McFarland CaP 8250

Group 36.—Dairy Food.

36.1 Milking plant; double air pumps; 3 forms of reciprocating pulsator valves; teat cups with hinged metallic cases, &c.; alternate rotary valve. (69.4; 74.5) Wiggins 10,398

36.3 Convoluted brine tubes with blind central ammonia tubes; joints, &c. (29.5) Jenkins C.a.P. 8818

36.3 Tank storage of cold brine for intermittent or casual use in dairies, &c. (29.7) Jenkins C.a.P. 8819

Group 38.—Fowling; Fishing; Trapping.

38.7 Spring-jaw trap for killing the animal by spine-breaking ... Sara 10,313

Group 39.—Harness; Animal Power.

39.5 Crossed rug-girths of webbing; hook-and-eye fastenings. (43.9) ... Greenwood CaP 8396

Group 40.—Textile Raw Materials.

40.1 Scutching agave fibre, &c.; chain-grip feeders; double drums; graduated entrance, &c. Zabriskie 10,492

Group 42.—Sewing.

42.1 Needle threading guide; fine crochet-hook passed through the eye Langman C.a.P. 9816

Group 43.—Wearing Apparel.

43.9 Wire hook and eye for webbing; security device. (39.5) ... Greenwood CaP 8396

Group 44.—Boots and Shoes; Umbrellas.

44.1 Lacing boots with single lace; opposed hooks and end clip ... Steele C.a.P. 10,383

44.3 Metallic slides for attaching rubber heels; wearing studs ... Walker 10,579

Group 45.—Furniture.

45.8 Extension ladders; inlaid metal bar; lifting cords, pulleys and dogs. (81.3) Benn 10,328

Group 53.—Amusements.

53.3 Rotary horse-race game; variable speed cams, &c.; registering guesses by tokens. (55.7) Schultze 10,178

Complete Specifications Accepted—*continued.*

Group 55.—Money.

55.7	Rotary horse-race game; variable speed cams, &c.; registering guesses by tokens. (53.3)	Schultze	10,178

Group 60.—Mechanism; Lubrication.

60.3	Star wheel and lever knockers for shaking sieves. (11.3; 32.6) ...	McFarland	CaP 8250
60.9	Lubricating revolving engine through fixed crank pin; details. (64.8; 66.2; 66.8)	Hogan	10,283
60.9	Deflocculating graphite, &c.; replacing water by oil; U.S.A. 843,426/07 and 844,989/07. (10.8; 79.3)	Acheson	10,587

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62.4	Absorbing vertical shocks by frictional cams with boxed springs. (96.5)	Kidder	10,382
62.7	Double jamming buckle for machine belts; central plate ...	Slipper	10,262
62.7	Two-ply machine belts with inner layer of soft chrome leather ...	Ludowici	10,289
62.8	Friction clutch; rim clamps with reversed screws and double nut-sleeve adjustments	Beilke	8427

Group 63.—Steam Power.

63.1	Superheating mixed air and steam for locomotives. (63.2; 69.1; 95.1.) (Section 7, *see* Vic. 20,501/03)	Field	9818
63.2	Convoluted tube super-heaters in locomotive smoke boxes. (63.1; 69.1; 95.1.) (Section 7, *see* Vic. 20,501/03)	Field	9818

Group 64.—Cranked Engines.

64.8	Two-cycle cylinder on diameter of flywheel on fixed crank; general details. (60.9; 66.2; 66.8)	Hogan	10,283

Group 65.—Reciprocating Motors.

65.4	Spring returned pneumatic holders for bottle moulds. (19.6) ...	Barrez	10,545

Group 66.—Gas and Oil Engines.

66.2	Two-cycle cylinder on diameter of flywheel on fixed crank; general details. (60.9; 64.8; 66.8)	Hogan	10,283
66.7	Reducing clearance; air and exhaust valves in a pocket on the vaporizer	Roberts	10,359
66.7	Air and exhaust valves in a pocket closed by a cut-off or sealing valve	Roberts	10,360
66.8	Ignition adjusted by shifting contact; circuit diagram. (60.9; 64.8; 66.2)	Hogan	10,283

Group 68.—Pumps for Liquids.

68.7	Multi-stage pumps; graduated helical guide passages between stages. (Section 121)	Scheurmann	10,196

Group 69.—Blowers and Compressors.

69.1	Injector for mixing air and steam for superheating. (63.1; 63.2; 95.1) (Section 7, *see* Vic. 20,501/03)	Field	9818
69.4	Triple segmental-chamber compressor; circular cam drives three pistons at 120 deg.	Neumann	10,092
69.4	Double air pump, simultaneous suction and pressure for milking. (36.1; 74.5)	Wiggins	10,398

Complete Specifications Accepted—*continued.*

Group 72.—Turning; Milling; Fitting.

72.7	Oblique gyrating drill for double countersunk holes. (87.6) ...	Highsmith	10,682

Group 73.—Sheet Metal Work.

73.2	Press die for folding flashings for skylights. (81.4)	Christie	10,395

Group 74.—Pipes and Fittings.

74.5	Bayonet-joint unions for milking pipes. (36.1; 69.4) ...	Wiggins	10,398

Group 78.—Structural Hardware.

78.5	Double pivot gate hangings; outer axis moved in cam slot by ropes; double gravity latches. (81.9)	Kortlang	9193

Group 79.—Paints, Adhesives, &c.

79.3	Paint, inks, &c., of deflocculated graphite with oil, &c. (10.8; 60.9)	Acheson	10,587

Group 81.—Buildings, Streets, Fencing.

81.3	Extension ladders; inlaid metal bar; lifting cords, pulleys and dogs. (45.8)	Benn	10,328
81.4	Attachments for hinged nets over roof gutters. (83.1) ...	Reseigh	10,392
81.4	Skylights in folded sheet-metal frames; folded metal designs. (73.2)	Christie	10,395
81.9	Double pivot gate hangings; outer axis moved in cam slot by ropes; double gravity latches. (78.5)	Kortlang	9193

Group 83.—Waterworks.

83.1	Attachments for hinged nets over roof gutters. (81.4)	Reseigh	10,392

Group 84.—Excavation and Dredging.

84.3	Wheeled scraper for irrigation channels; lateral delivery shoots; lifting gear, &c.	Bunning	10,310

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87.6	Spectacle drilling machine; gyrating drill for countersunk holes. (72.7)	Highsmith	10,682
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95.1	Working locomotives with superheated mixed air and steam. (63.1; 63.2; 69.1.) (Section 7, *see* Vic. 20,501/*03*)	Field	9818

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Group 96.—Rolling Stock.

96.5	Absorbing vertical shocks by frictional cams with boxed springs. (62.4)	Kidder	10,382
96.6	Locking hand-brake levers; separate "up" and "down" detents	Watson	C.a.P. 9294
96.8	Constant voltage from variable speed by combined auxiliary differential dynamos with or without rotating fields and storage cells. (03.8)	Schaller	10,480

Group 97.—Wheels.

97.83	Sliding double wheel with telescopic spokes; load rests on enclosed tyre-tube by free inner spokes	Burfoot	9314

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99.6	Railway guards hand-flag; opposite sides green and red ...	Slater	10,285
99.8	Lamp switches coupled to plat chairs; signals to engine room, &c.	Wainwright	CaP 10,402

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1908.

11,004. Robert Crawford JOHNSON, house furnisher, and Matthew Henry MYERS, house furnisher's manager, both of 2 London-road, Leicester, Leicestershire, Eng.,

Application under Sec. 121.

[Date applied for, 14th Mar., 1907, being date of application in Great Britain, No. 6236/07. Application also made in France, 17th May, 1907; Germany, 18th May, 1907; Belgium, 23rd May, 1907; U.S.A., 24th May, 1907; Canada, 30th May, 1907.]

"Improvements in curtain rods."

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Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

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7215. J. and A. BURFOOT. *Pneumatic wheels.* Classes 97.81; 97.83; 97.89.
7267. J. S. KIRBY. *Castrating lambs.* Classes 37.1; 87.4.
7364. F. BOTTRILL. *Road wheel.* Class 93.5.
7398. S. A. BRADLEY. *Fruit case.* Classes 57.2; 57.9.
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7502. J. C. MCDONALD. *Safety hooks.* Class 58.7.
7612. J. R. BARKLEM. *Bag filler.* Class 57.4.

1907.

7683. S. MASTERS. *Fixing bosses.* Classes 10.2; 62.8.
7698. J. T. HEPBURN. *Motor cars.* Classes 95.7; 96.5.
7787. J. HUTCHINGS. *Internal combustion engines.* Classes 63.1; 66.2; 66.5; 67.1.
7792. R. T. JACKSON. *Supporting electric wires.* Classes 03.1; 81.2.
7794. R. WELDON. *Mulching hoe.* Class 30.1.
7963. C. RYAN. *Fastener for collars.* Class 43.6.
8097. SOCIÉTÉ ANONYME POUR L'EXPLOITATION DES BREVETS MAVROGORDATO (MAVROGORDATO). *Hydrocarbon lighting apparatus.* Classes 21.4; 22.5; 23.3; 23.5; 61.7; 62.5.
8193. THE BRITISH WESTINGHOUSE E. & M. CO. LTD. (LAMME). *Dynamo-electric machines.* Classes 02.4; 03.4; 96.6.
8267. H. LEAHY. *Filtering water.* Classes 28.1; 74.7.
8271. POPLAWSKI and BOILEVE. *Rail wedges.* Class 98.4.
8401. V. POULSEN. *Wireless telegraphy.* Classes 05.5; 06.2.
8429. G. J. COX. *Securing cash boxes.* Classes 55.2; 55.7; 77.3.
8492. W. CORIN. *Controlling electricity supply.* Classes 02.8; 04.3; 04.4; 22.8.
8510. HARRIET R. TRACEY. *Sewing machines.* Class 42.3.
8553. A. G. BETTS. *Treating anode slimes.* Classes 07.6; 14.1.
8559. F. KLOUSNITZER. *Envelopes.* Class 49.3.
8567. J. R. ROGERS. *Linotype machines.* Class 50.5.
8570. PARKER-CLARK ELECTRIC CO. (CLARK and PARKER). *Lamp filaments.* Classes 06.4; 08.4.
8577. MARY ANDERSON. *Garments.* Classes 43.3; 87.3.
8584. T. POLJAKOFF-KOWTUNOFF. *Excavating machine.* Classes 84.3; 84.5; 85.1.
8599. G. E. BERRICK. *Day-book with index.* Class 54.5.

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Names of actual inventors, communicators, assignors, &c., are added in parentheses.

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Vol. 8.] 1908. [No. 12.

Tuesday, 31st March.

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VOL. 8.] 31ST MARCH, 1908. [No. 12.

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

C.3686.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 19th to 25th March, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 19th March.

11,091. *Comp.* Edgar DREDGE, 88 Hunter-street, Sydney, N.S.W., art dealer,

"An improved portable trousers stretcher."

11,092. *Prov.* Walter Alexander ROSTRON, "Wyee," Durham-street, Dulwich Hill, N.S.W., architect,

"Improvement in provision safes and butter coolers."

11,093. *Prov.* George James BROWN, 183 Hereford-street, Christchurch, Canterbury, N.Z., contractor,

"An improved construction of feed receptacle or bag for animals."

11,094. *Prov.* John MUES, 58 Charles-street, Northcote, Vic., manufacturer,

"Improved sight for rifles for elevation and windgauge."

11,095. *Prov.* John Robert LEECH, Jones street, Ultimo, N.S.W., engineer,

"Improvements in apparatus for automatically closing doors and lift well openings."

11,096. *Prov.* William Thomas DAYTON, 74 Oxford-street, Woollahra, N.S.W., masseur,

"Scales without weights or springs."

11,097. *Comp.* Samuel HOLMES, Charles Thomas HOLMES, and Arthur Henry HOLMES, trading as Holmes and Sons, The Star Foundry, Kensington, Vic., manufacturers,

"Improved spring wire mattress."

11,098. *Prov.* Ferdinand Herwig BONHAM, 62 Margaret-street, Sydney, N.S.W., manufacturers' agent (*communicatee of* Arthur SCHWARZ, *act. inv.*, 80 Booth Strasse, Berlin-Steglitz, Germany, manufacturer),

"Improvements in or relating to color photography."

Friday, 20th March.

11,099. *Prov.* Alfred Joseph WELLS, 695 Hay-street, Perth, W.A., manufacturer,

"Rotary cutting disc attachment for ploughs."

11,100. *Prov.* Alexander Elias ANDERSON, Carron, Vic., farmer,

"An improved waggon jack."

11,101. *Comp.* Alfred Muller SIMPSON, trading as A. Simpson & Sons, Gawler-place, Adelaide, S.A., manufacturers,

"Improvemnts in locks for safes."

11,102. *Prov.* Henry Roland DAVIS, fitter, and William Henry Roland DAVIS, meat preserver, both of 12 Victoria-street, North Melbourne, Vic.,

"An improved spirit or oil burner for heating or other purposes."

11,103. *Comp.* William Henry MAHER, 82 William-street, Melbourne, Vic., farmer,

"Improved means for catching rabbits."

11,104. *Comp.* Deane Prescott MITCHELL, general manager of Bewick, Moreing & Co., Equitable Building, Collins-street, Melbourne, Vic. (*assignee of* John Arthur DIGGLES, *act. inv.*, Broken Hill, N.S.W., mining engineer),

"An improved construction of ore-pass used in connection with underground mining or other like excavations."

Applications received, 19th to 25th March—*continued.*

Saturday, 21st March.

11,105. *Prov.* Frank Baker, "Malua," North Brighton, Vic., engineer,

"Improvements in vehicle wheels."

11,106. *Prov.* John Adam Bosch, Greensborough, Vic., orchardist,

"Improved waterproof and fireproof material for building purposes."

Monday, 23rd March.

11,107. *Prov.* Wallace James McKeon, 609 Little Collins-street, Melbourne, Vic., chemist,

"Vienna chair grip and hat rest."

11,108. *Prov.* Thomas Annett, "Fairholme," Wallacedale, Vic., farmer,

"Improved wire strainer."

11,109. *Prov.* Edward Percy Amesbury, Grey-street, Glen Innes, N.S.W., dentist,

"'Ate' (prickly pear destroyer)."

11,110. *Comp.* Levi Dee York, Portsmouth, Ohio, U.S.A., gentleman,

"Improvements in pulverising mills."

11,111. *Comp.* Francis James Hobson, The Athenæum Club, Collins-street, Melbourne, Vic., grazier (*assignee of* Charles Myles Officer, *act. inv.*),

"Improvements in apparatus for the production and supply of carburetted air for lighting, heating and other purposes."

11,112. *Prov.* John Alexander Shearer, Margate-street, Unley, S.A., blacksmith,

"An improved spring draught for stump jump agricultural implements."

11,113. *Prov.* George Coleman, 69 Argyle-street, Hobart, Tas.,

"Improved hill-side plough."

11,114. *Prov.* Augustus Frederick Monk, 88 Wallis-street, Woollahra, N.S.W., vinegar brewer,

"Improved support for vessels on lamp chimneys."

11,115. *Comp.* George Henry Friend, Page-street, South Melbourne, Vic., civil servant,

"Improvements in pedal footgrip devices."

11,116. *Comp.* Jean Léon Muller, Sannois 8, Avenue Berthet, France, engineer, and Jules Rousset, Vincennes 27, Cours Marigny, France, engineer,

"Cinematographic glass-plates for projections and method for manufacturing the same."

11,117. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Chellis-Hillman Company, 85 Market-street, Portland, Maine, U.S.A., *assignee of the act. inv.*),

"Improvements in closures for vessels."

11,118. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Linotype and Machinery Limited, 188 and 189 Fleet-street, London, Eng., *assignee of* Charles Showler Woodroffe, 188 Fleet-street, London, Eng., patent agent, and Herbert Pearce and John Ernest Billington, both of Linotype and Machinery Works, Broadheath, Chester, Eng., engineers, all *act. invs.*),

"Improvements in the quadding apparatus of typographical composing machines."

Tuesday, 24th March.

11,119. *Prov.* Anna Margaret Hemeter, 64 Blair-street, Kensington, Vic., married woman,

"Face lotion."

11,120. *Prov.* Alfred Millbank Nelson, 35 Bowen-street, Melbourne, Vic., caretaker,

"An advertising medical guide and perpetual almanac."

11,121. *Prov.* George Brougham Hubert Austin, "Milliaria," Wanda-road, Caulfield, Vic., architect,

"An improved crank driven mechanism for cycles."

11,122. *Comp.* James Albert Stevenson, 30 North Beaver-street, New Castle, Lawrence, Penn., U.S.A., plumber, and Lewis Oliver Phillips, 4 North Beaver-street, New Castle, Lawrence, Penn., U.S.A., physician,

"An improvement in water closets."

Applications received, 19th to 25th March—*continued.*

11,123. *Comp.* George Garibaldi TURRI, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* LES PRODUITS CHIMIQUES DE CROISSY LIMITED, 29 Rue de Rome, Paris, France manufacturers, *assignee of* Leon GROGNOT, *act inv.*, 18 rue Labat, Paris, France, chemist),

"Improvements in and relating to the manufacture of india-rubber substitutes."

11,124. *Prov.* Charles William WATSON, 42 McGregor-street, Middle Park, Vic., engineer,

"Method of and apparatus for obtaining selected constituent or constituents from complex material."

11,125. *Prov.* Nehemiah GUTHRIDGE, 486 Collins-street, Melbourne, Vic., merchant (*assignee of* William Legeand CARD, *act. inv.*),

"Improvements in sizing classifiers."

11,126. *Comp.* Edouard Elie MOLAS, 22 rue des Cendriers, Paris, France, engineer, and Maurice DELAFON, 14 quai de la Rapee, Paris, France, engineer.

Application under Sec. 121.

[Date applied for 29th Mar., 1907, being date of application in France.]

"Improvements in and relating to apparatus for generating burned gases under pressure."

11,127. *Prov.* Thomas James MCBRIDE, 136 Papanui-road, Christchurch, N.Z., gentleman,

"Improvements in puncture proof tyres and casements therefor."

Wednesday, 25th March.

11,128. *Prov.* William BOUND, Majors Creek, N.S.W., mine-owner, and George Herbert BAILEY, Emu Flat Police Station, *viâ* Majors Creek, N.S.W., policeman,

"Children's gaiters made of prepared rabbit skins."

11,129. *Prov.* William BOUND, Majors Creek, N.S.W., mine-owner, and George Herbert BAILEY, Emu Flat, N.S.W., policeman,

"Gloves made of rabbit skins without seam or joint."

11,130. *Prov.* George DOW, Savoca-street, Yarraville, Vic., labourer,

"Improved enamelling combined furnace and oven."

11,131. *Comp.* Frederick Gardner COTTRELL, *Ph.D.*, 1512 Hawthorne-terrace, Berkeley, Alameda County, Cal., U.S.A., assistant professor of physical chemistry in the University of California,

"Improvements in the art of separating suspended particles from gaseous bodies."

11,132. *Comp.* William Herbert WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Louis Arlington ROY, *act. inv.*, Rector Building, Chicago, Ill., U.S.A., real estate dealer),

"Process of and apparatus for treatment of a perishable product in a closed space."

11,133. *Comp.* THOMPSON TYPE MACHINE COMPANY, 130 Sherman-street, Chicago, Cook, Ill., U.S.A., manufacturers (*assignee of* John Smith THOMPSON, *act. inv.*, 980 Bellplain-avenue, Chicago, Cook, Ill., U.S.A., printer),

"Type casting machines."

11,134. *Comp.* Nicholas Louis HEINZ, La Salle, La Salle County, Ill., U.S.A., manufacturer,

"Recuperative spelter furnaces."

11,135. *Comp.* John Beecher PATTON, Kent, Ohio, U.S.A., merchant (*assignee of* Ephraim Otto ENGBERG, *act. inv.*, 813 South Eighth-street, Salt Lake City, Utah, U.S.A., mechanical engineer),

"Machine for making window shades."

11,136. *Prov.* Dugald LITTLE, "Tregara," Mont Albert-road, Balwyn, Vic., gentleman,

"An improved road vehicle having one or more wheels."

11,137. *Prov.* George EDGAR, traveller, and James WATSON, farmer, both of Alexandra, Vic.,

"An improved fencing dropper."

11,138. *Comp.* MANUFACTURERS' MACHINE COMPANY, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* Thomas Gustave PLANT, *act. inv.*, Boston, Mass., U.S.A.),

"Improvements in or relating to machines for operating on the bottoms of boots and shoes."

Applications received, 19th to 25th March—*continued.*

11,139. *Comp.* Herbert Watson Alden, 1735 Denber-avenue, Canton, Ohio, U.S.A., mechanical engineer,

"Improvements in roller bearings."

11,140. *Comp.* Ernest Doane Barrett, 45 West 34th-street, New York, N.Y., U.S.A., manufacturer,

"Improvements in automatic valve mechanisms."

11,141. *Prov.* James Mangnall, 97 Glenferrie-road, Glenferrie, Vic., tailor and mercer,

"An eccentric window-catch or the like with bracket."

11,142. *Prov.* A. W. Monk and H. P. Maguire, both of Atherton, North Qld.,

"A device to overcome the wear and tear caused to the wheels of rolling stock, and railway and tram rails."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

9949. Un. Shoe Mach. Co. (Bates)
Improvements in apparatus for and method of making shoes.

1908.

10,627. Harris, C. F., & Dixon, E. W. J.
10,735. Gibson, Battle & Co. Ld. (Bragg)
10,777. Wallace, R. W., & Raynaud, G.
10,778. Wallace, R. W., & Raynaud, G.
10,785. Hollole, J.
10,814. Murchison, R. I.
10,821. Kobiolke, A.
10,822. Hanrahan, T.
10,826. Cudmore, M. R. (Morgan)
10,827. Buck, L.
10,828. Nicholas, A. M.
10,829. Willson, W. H. J.
10,830. Willson, W. H. J.
10,834. Kingstone, G.
10,835. Hemery, C. J.
10,836. Andrew, G. E. (Lack)
10,837, Cliff, G. F. (Cliff G. H.)
10,839. Wallace, J. P., & Clark, E.
10,841. Rule, W.
10,843. Serjeant, Henrietta P.
10,844. Coates, R.
10,845. Harkin, P. L.
10,846. Howarth, E.
10,849. Ellis, H.
A gun and rifle sight which automatically gives the range corrected to windage a moving or uneven base and the like.
10,850. Downing, W. E.
10,851. Throsby, N. H.
10,852. Close, J.
10,855. Meyers, E.
10,857. Hornby, E.
10,858. Noller, C. N., & O'Reilly, P. E.
10,861. McDonald, J. F.
10,862. Burton, Z.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8769. Charles Albert Damlick REED, 16 Methven-street, East Brunswick, Vic., jeweller,

"Warming oven with heat regulating device combined to a grate (commonly known as a registered grate)." 23rd Mar., 1908.

9026. George Richard HALE, Port Ahuriri, Napier, N.Z., engineer,

"Improvements in scaffolding brackets." 19th Mar., 1908.

9072. William John DINNING, Mundalla, S.A., blacksmith,

"An improved harrow attachment to seed drills." 23rd Mar., 1908.

9076. Frederick METTERS, Rundle-street, Adelaide, S.A., manufacturer,

"Improvements in bath heaters." 23rd Mar., 1908.

9282. John PETERSON, 508 Hoddle-street, Abbotsford, Vic., carpenter, and Frederick HEAVYSIDE, 48 Bennett-street, North Fitzroy, Vic., tailor,

"A rim bicycle roller brake." 23rd Mar., 1908.

9347. Edgar Charles KILGOUR, 72-74 Queen's Bridge-street, South Melbourne, Vic., engineer,

"An improved acetylene generator." 23rd Mar., 1908.

1908.

10,953. Emily Caroline WINSTANLEY, 119 Brunswick-road, East Brunswick, Vic., married woman (*assignee of* Alfred Allen WINSTANLEY, *act. inv.*, 119 Brunswick-road, East Brunswick, Vic., produce merchant),

"A machine for removing grain from sheaves, usable also with a winnower." 23rd Mar., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38

1907.

8716. Howarth, F. S.
8720. Handcock, F. S., Rust, W., & Dunn, L.
8722. McNally, J.
8723. Wright, A. W., & Brettoner, G.
8726. Dahl, A., & Jacob, C. A.
8731. Holmes, D.
8732. Christopher, J. J.
8735. Howie, T.
8736. Munt, F. W.
8737. Burman, E. S.
8742. Ison, F. W.
8749. Clark, G.
8750. Clark, G.
8751. Merriman, J. D.
8752. Goldsworthy, S. W.
8753. McMillan, A.
8760. Reading, S.
8762. Lewis, J.
8767. Phillips, J. L.
8770. Constable, G. E.
8773. Bartlett, A. J.
8774. Biggs, Harriet E., & Witton, Fanny J.

Applications Abandoned, Withdrawn, &c.

1903.

7571. *Comp.* (*Lapsed.*) Sydney Ezekiel Ellis, Colyton, Mt. Druitt, N.S.W., farmer,

"A counter-balanced bicycle pedal."

7615. *Comp.* (*Lapsed.*) Robert Henry Lucas, 73 Flemington-road, North Melbourne. Vic., manufacturing chemist (*assignee of* William Henry Hunt, *act. inv.*),

"An improved compound for automatically sealing punctures in pneumatic tyres and the like, and improved means for applying the same."

7623. *C.a.P.* (*Lapsed.*) Ernest Maltravers Bolger, Myrtle Villa, 21 Evelina-road, Toorak, Vic., foreman,

"Levers for putting on and removing tyres of motor cars and other wheels."

7636. *Comp.* (*Lapsed.*) Alfred Adcroft, 7 Hall-street, Newtown, Wellington, N.Z., fitter,

"Improved gas burner."

7645. *Comp.* (*Abandoned.*) Francis Curry. 66 Nicholson-street, South Footscray, Vic., engineer,

"An improved water-cooled bridge for boiler furnaces."

Assignments Registered.

1904.

1755. "Improvements in electric arc lamps."

Assignment of the whole *by* Heinrich Beck *to*

Beck Flame Lamp Limited. Dated 25th June, 1907. Registered 19th Mar., 1908.

1905.

2424. "Process of treating creosote and product thereof."

Assignment of the whole *by* Albert George Meyer *to*

John Bernard Davitt. Dated 31st May, 1907. Registered 19th Mar., 1908.

2424. "Process of treating creosote and product thereof."

Assignment of the whole *by* John Bernard Davitt *to*

Columbus Chemical Company. Dated 5th July, 1907. Registered 20th Mar., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8208. T. Robinson & Co. Propty. Ltd. (Howarth)
8276. The Stirling Boiler Co. Ld. (Cowan)
8367. Bennett, T. C., & Shaw, R. R.
8451. Blackham, W. H. (Teese)
8471. Green, G. W.
8498. Keogh, E. J. (Corbett)
8529. Fry, R. J., & Cooper, J. A.
8860. Dossetor, D. R.
9102. Whitfield, C. R., & Harrison, W. R.
9535. Dolan, E. J., & Tracy, M. J.
9714. Dixon, E.
9853. Spence, F. J.
10,286. Leahy, J. (Sutton)
10,317. Turri, G. G. (Mews)
10,334. Heathorn, T. B.
10,425. Smaill, A.
10,427. Robertson, A. J., & McEvoy, J. H.
10,449. Burgess, E. H., & Rose, H. T.
10,478. Bryce, J. W.
10,497. Cunnington, H. J., & Bishop, R. C.
10,534. Johnson, W. C.
10,550. Evans, G. T. (Lorenz & Simpson)
10,556. Dennison, F. R.
10,559. Turri, G. G. (Mellor)
10,561. Parsons, C. A., & Short, H. L.
10,562. Crichton, R. G.
10,575. Pieper, H.

1908.

10,600. Douse, F. A.
10,644. Luciani, J.
10,677. Smith, D. F., & Purcell, W. F.
10,681. The Kentucky Tobacco Product Co. (Lindenberger & Arnold)
10,724. Baruschke, B., & Jenckel, G. M.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.1 Time recorder, punching and printing terminal times and difference on cards. (50.7; 56.2) Bryce 10,478

Group 09.—Organic Chemistry.

09.6 Extracting nicotine by superheated steam. (28.0; 33.3) ... Lindenberger 10,681

Complete Specifications Accepted—*continued.*

Group 18.—Stones, Cement, &c.

18.3 Slag granulated in chilled water containing lime, sugar, &c.; afterwards ground and coloured. Spence C.a.P. 9853

Group 22.—Candles and Lamps.

22.5 Flat-flame acetylene burner; wide cross-groove above narrow slit ... Dolan 9535

Group 25.—Washing; Cleaning; Brushes.

25.8 Banded whitewash brush; doubled fibres nailed between stock and rod Dixon 9714

Group 28.—Distillation and Filtration.

28.0 Steam jacketed diffuser; nicotine plant diagram. (09.6; 33.3) ... Lindenberger 10,681

Group 31.—Cultivation.

31.1 Distributing fertilizer and seed by piston oscillating over annular dishes; disc hoes, &c. (60.2) Howarth C.a.P. 8208

31.9 Spray jet on universal joint; directed in spiral path by worm gear and cam. (67.4; 88.1) Johnson 10,534

Group 33.—Tropiculture.

33.1 Cane cutting; adjustable circular saw; grip-conveyor; topping saws, &c. (59.6; 80.5) Green C.a.P. 8471

33.3 Extracting nicotine by superheated steam. (09.6; 28.0) ... Lindenberger 10,681

Group 36.—Dairy Food.

36.1 Cup-ring or stellate rubber diaphragm to support teat cups by suction Teese C.a.P. 8451

36.1 Vacuum plant; overhead reciprocated sliding pulsators; can head; teat cup details Smaill 10,425

36.7 Churning by high-speed wheel dipping in covered and ventilated dish; swinging gear frame, &c. Mellor 10,559

Group 37.—Pastoral.

37.6 Rock-lever has crank-slot between heel pivot and rolling pressure pin; four-point comb pressure Sutton 10,286

37.6 Vibrating air-piston integral with rock-lever drives cutter in shearing machines. (64.2; 65.6) Lorenz 10,550

Group 38.—Fowling; Fishing; Trapping.

38.9 Destroying termites, teredos, &c., by injecting kerosene, tars, &c. (80.1; 87.1) Burges 10,449

38.9 Injecting CS_2 and benzine into burrows; exploding by electricity or otherwise. (68.3; 68.9) Baruschke 10,724

Group 39.—Harness; Animal Power.

39.3 Horseshoes; lever press for cutting-off and fullering straight blanks. (71.3) Fry C.a.P. 8529

Group 42.—Sewing.

42.1 Cotton reels with pin-cushion disc ends Cunnington 10,497

Complete Specifications Accepted—*continued.*

Group 47.—Leather and Plastics.

47.5 Rubber substitute; chromatized gelatine, glycerine, &c. (96.3; 97.81) Bennett C.a.P. 8367

Group 50.—Typographic Printing.

50.7 Printing wheels in time recorder. (00.1; 56.2) Bryce 10,478

Group 53.—Amusements.

53.6 Octagonal rim and pocket frames for dining-table billiards ... Dossetor C.a.P. 8860

Group 56.—Counting, Measuring, Weighing.

56.2 Subtracting difference of time worked and setting type wheels thereto. (00.1; 50.7) Bryce 10,478

Group 59.—Conveying and Lifting.

59.6 Gripping rake conveyor in cane harvester. (33.1; 80.5) ... Green C.a.P. 8471

Group 60.—Mechanism; Lubrication.

60.2 Star-cam driving seed and fertilizer linkages at opposite sides. (31.1) Howarth C.a.P. 8208

Group 63.—Steam Power.

63.4 Fire circulation between vertical banks of water tubes; feed drums remote from furnace; connexions, &c. (Section 7, *see* Vic. 16,956/*00*) Cowan 8276

Group 64.—Cranked Engines.

64.2 Vibrating piston in segmental chamber; eccentric drives slide valve. (37.6; 65.6) Lorenz 10,550

64.8 Radiating cylinders pressing on central crank block forming distributing valve; two examples Smith 10,677

Group 65.—Reciprocating Motors.

65.6 Vibrating piston in segmental chamber; eccentric drives slide valve. (37.6; 64.2) Lorenz 10,550

Group 66.—Gas and Oil Engines.

66.7 Piston valve system for duplex 4-cycle motors; central cooling passage, &c. Pieper 10,575

Group 67.—Turbines; Rotary Motors.

67.2 Machine-tool plant for turbine blades; several operations. (71.2; 71.5; 72.3) Parsons 10,561

67.4 Parallel flow motor operates the motion gear of distributing jet. (31.9; 88.1) Johnson 10,534

Group 68.—Pumps for Liquids.

68.3 Foot valves, &c., for hand-pump for volatile fluids. (38.9; 68.9) Baruschke 10,724

68.9 Pail, hand-pump and spray-plate for injecting combustible fluids. (38.9; 68.3) Baruschke 10,724

Group 69.—Blowers and Compressors.

69.1 Water-jet air-exhausters; secondary guide nozzles; 2 designs ... Corbett C.a.P. 8498

Complete Specifications Accepted—*continued.*

Group 71.—Forging, Rolling, &c.

71.2	Spring hammer, &c., with trip-trigger lifter; 2 styles. (67.2; 71.5; 72.3)	Parsons	10,561
71.3	Horseshoes; lever press for cutting-off and fullering straight blanks. (39.3)	Fry	C.a.P. 8529
71.5	Lever dies for tipping and notching turbine blades. (67.2; 71.2; 72.3)	Parsons	10,561

Group 72.—Turning; Milling; Fitting.

72.3	Milling cutter and saw with double links and guides; for turbine blades. (67.2; 71.2; 71.5)	Parsons	10,561

Group 77.—Locks, Bolts, Safes, &c.

77.3	Transverse sliding tumbler steadied by friction only; various keys optional	Mews	10,317

Group 80.—Carpentry.

80.1	Pipe connexions to wood work for injecting kerosene, tar, &c. (38.9; 87.1)	Burges	10,449
80.5	Dished circular saw with renewable blades; for cane cutting. (33.1; 59.6)	Green	C.a.P. 8471

Group 81.—Buildings, Streets, Fencing.

81.3	Telescopic scaffold pillar; angle stays, &c.	Crichton	10,562

Group 87.—Medicine.

87.1	Destroying termites, teredos, &c., by injecting kerosene, tars, &c. (38.9; 80.1)	Burges	10,449

Group 88.—Salvage, Accidents.

88.1	Spray jet on universal joint; directed in spiral path by worm gear and cam. (31.9; 67.4)	Johnson	10,534

Group 89.—War.

89.8	Corrugated tubular and sheet explosives; "progressivity"; mixture of beeswax, &c., spiral grooving tools, &c.	Luciani	10,644

Group 92.—Marine Propulsion.

92.6	Propeller outlines; pitch increasing outwards	Douse	10,600

Group 93.—Road Vehicles.

93.5	Car wheel with double flange rolling inside loose single flange tyre. (97.2)	Robertson	10,427

Group 95.—Locomobiles.

95.7	Rollers on spring under brackets to prevent skidding. (97.89) (Section 121)	Heathorn	10,334

Group 96.—Rolling Stock.

96.3	Buffers of flexible casings filled with chromatized gelatine. (47.5; 97.81)	Bennett	C.a.P. 8367

Complete Specifications Accepted—*continued.*

Group 97.—Wheels.

97.2 Car wheel with double flange rolling inside loose single flange tyre. (93.5) Robertson 10,427
97.81 Cushion tyres filled with chromatized gelatine. (47.5; 96.3) ... Bennett C.a.P. 8367
97.83 Spare tyre on angle-rim, attachable by circle of hook bolts ... Dennison 10,556
97.85 Disconnectable radial pump driven by fixed eccentric Whitfield C.a.P. 9102
97.89 Helically ribbed central rollers to prevent side slip. (95.7) (Section 121) Heathorn 10,334

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne: price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6129. F. CLUTSAM. *Pianofortes, organs, &c.* Classes 01.2; 01.6.
6188. MASSEY-HARRIS CO. LTD. (CHARLTON). *Grain harvesters.* Classes 32.3; 32.6.
6466. A. and L. LUMIERE. *Colour photography.* Class 52.4.
7068. J. J. BRUER. *Pianoforte actions.* Class 01.2.
7157. P. J. MARTIN. *Trigger hook.* Class 58.7.
7282. J. W. BOTTOMLEY. *Multiple roller.* Classes 10.8; 19.1.
7353. SPILLER and STAMP. *Nipple prickers.* Classes 22.5; 23.3.
7382. G. B. B. ELLIOTT. *Rotating disintegrators.* Class 10.6.
7450. UN. SHOE MACH. CO. (ASHTON). *Assembling parts of boots.* Class 44.5.
7554. HICKS and PRESS. *Lubricating vehicles.* Classes 60.9; 93.3.
7560. T. WILLIAMS. *Vulcanizing clamp.* Classes 47.5; 87.7.
7567. W. R. GOVER. *Spinal corselet.* Class 43.3.
7593. H. WELSMAN. *Mosquito-proof tent.* Classes 46.6; 81.3.
7597. UN. SHOE MACH. CO. (BATES and GAMBLE). *Inserting fastenings.* Classes 44.5: 78.1.

Printed Specifications Published—*continued.*

1907.

7731 P. MacA. MacKaskie. *Hoisting, conveying, and dumping.* Classes 58.7; 59.4.
7754. J. W. Barber (Kirkpatrick). *Packing and displaying goods.* Classes 54.7; 57.2.
8102. J. Larsen. *Welting and stitching boots, &c.* Classes 42.7; 44.5.
8164. F. W. Lee. *Removing tyres.* Classes 59.1; 93.4.
8316. R. C. Annand. *Curved stereotype plates.* Classes 50.2; 60.2; 70.2.
8317. J. Marsden. *Compressed air engine.* Classes 62.5; 64.2; 64.8; 67.7; 69.4.
8384. Gillett and Lehmann. *Internal combustion engines.* Classes 66.5; 74.7.
8512. Chipman Ltd. (Wesp). *Convertible vehicles.* Class 93.2.
8556. T. Poljakoff-Kowtunoff. *Vehicle with movable track.* Classes 84.5; 93.5; 98.2.
8612. Pavia and Casalis. *Railway couplings.* Class 96.3.
8623. J. Blackburn and Others. *Go-carts.* Class 93.2.
8628. G. G. Turri (Pedersen). *Wheel cutting machine.* Classes 56.4; 60.2; 62.8; 72.5.
8647. W. Tyree. *Automatic spray.* Classes 21.87; 31.9; 68.9; 79.4.
8656. V. L. Raven. *Railway signalling.* Classes 04.3; 98.2; 99.2; 99.4.
8658. Vaughan and Epton. *Testing ropes.* Classes 56.6; 58.1.
8707. H. J. J. Jaburg. *Arc-lamps.* Class 06.2.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

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7277	5 Nov.	L. J. Holroyd	N.S.W.	Sweeping broom clip ...	478
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7363	16 Nov.	R. Dietz, E. Krieger, & C. E. B. Hart	Vic. & S.A.	Seat supports for bicycles, &c.	602
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7432	23 Nov.	C. Cromwell	Qld.	Wire fence droppers ...	620
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		19th March, 1908.			
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7562	7 Dec.	H. S. Marks	Vic.	Door, &c., holders ...	635
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VICTORIA.

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Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,003	Locke, B. H. ...	15th Mar., 1915
18,012	Natural Food Co. ...	19th Mar., 1915
18,088	Cochrane, D. M. B. H. (Earl of Dundonald)	24th Apr., 1915
18,093	Davidson, F. A. ...	25th Apr., 1915
18,235	Edison, T. A. ...	18th June, 1915

1902.

No.	Name.	Paid up to—
19,982	Dickenson, F. M. ...	27 Nov., 1909

Letters Patent Sealed.

1902.

19,982. 27 Nov. Francis Marshall DICKENSON, secretary, Broken Hill Proprietary Co. Ltd., Equitable Building, Melbourne, Vic. (*communicatee of* Guillaume Daniel DELPRAT, *act. inv.*, Broken Hill, N.S.W., manager),

"Improvements in extracting zinc and other sulphides from their ores." [Sealed 26th March, 1908.]

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/N.R.; or as the case may be.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
6997/5200	Natural Food Co. ...	19th Mar., 1915
6998/5195	Locke, B. H. ...	15th Mar., 1915
7040/5232	Shearer, J. & D. ...	27th Apr., 1915

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3331	Natural Food Co.	11th Mar., 1915
3346	Locke, B. H.	23rd Mar., 1915
3376	Cochrane, D. M. B. H. (Earl of Dundonald)	30th Apr., 1915

1904.

4843	Hucks, W.	7th Apr., 1911

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fee Paid.

1901.

No.	Name.	Paid up to—
3013	Natural Food Co.	17th Mar., 1915

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II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding. Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

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VOL. 8.] 7TH APRIL, 1908. [No. 13.

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 26th March to 1st April, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 26th March.

11,143. *Comp.* Frederick Charles Thompson, 149 Chester-street, Christchurch, N.Z., inventor,

Application under Sec. 121.

[Date applied for 13th May, 1907, being date of application in N.Z., No. 22,814/07.]

"Improved mechanism for operating venetian blinds."

11,144. *Comp.* Edgar Courtright, Tacoma, Washington, U.S.A., mechanical engineer,

"Improvements in water or like motors and pumps."

11,145. *Prov.* George Mousley and George Washington Mousley, both of 15 Bennie-street, East Brunswick, Vic., engine-drivers,

"Improvements in steam boilers for the prevention of smoke."

11,146. *Prov.* Norman George Pilcher, 79 Macleay-street, Sydney, N.S.W., barrister-at-law,

"Improvements in apparatus for operating hinged fan-lights, ventilators, and the like."

11,147. *Prov.* Augusta Meriel Melville-Hamilton, Medindie, Adelaide, S.A., inventor,

"Improved suction filter for soldiers, bushmen and others, and appliances to be used in connection therewith."

11,148. *Prov.* Rupert Frederick Millane, corner Michael and Rowe streets, North Fitzroy, Vic., engineer,

"A detachable rim for pneumatic tyres."

11,149. *Prov.* Conrad Henry Burckhardt, Elizabeth-street, Eastwood, S.A., fitter and turner, and Louis Schmidt, Westbury-street, Hackney, S.A., engineer,

"An improved driving gear for bicycles."

Friday, 27th March.

11,150. *Prov.* Seth Ferry, Tattersall's Club, Grenfell-street, Adelaide, S.A., gentleman,

"Improvements in and relating to animal race starting machines."

11,151. *Prov.* Murdock McKenzie McRae, Dimboola, Vic., agent,

"Safety adjustable winkers."

11,152. *Prov.* Albert Richard Dietz, engineer, care of A. L. Wright, Sydney-road, Wodonga, Vic.,

"An improved pneumatic double acting well saddle pillar for bicycles."

11,153. *Prov.* James Menzies, 33 Alexander-street, Footscray, Vic., tinsmith,

"Improvements in or attachable to kerosene and the like pumps for securing the same to tins."

11,154. *Comp.* William Harkus Yabsley, Moss Vale, N.S.W., coachbuilder,

"Improvements in springs for use on sulkies and other light road vehicles."

11,155. *Comp.* William Harkus Yabsley, Moss Vale, N.S.W., coachbuilder,

"An improved seat and foot-rest for use in connexion with buggies, sulkies and other road vehicles."

Applications received, 26th March to 1st April—*continued.*

11,156. *Comp.* Charles Frederick Fox Allan, Bourke-street, Waterloo, Sydney, N.S.W., range-maker,

"Improved water heater."

Saturday, 28th March.

11,157. *Prov.* John Wearne and Richard Wearne, both of Allendale, Vic., produce merchants,

"Dust eradicator."

Monday, 30th March.

11,158. *Prov.* John Harold Hutchinson, Queens-avenue, off Dominion-road, Auckland, N.Z., engineer,

"Improvements in the slides of lathes planing machines and the like."

11,159. *Comp.* Edward Hampton Browne, Clevedon, N.Z., farmer,

"An improved wire-strainer."

11,160. *Prov.* Louisa Sarah Jane Burrows, Whistler-road, Manly, N.S.W., artist,

"The lightning curtain hanger."

11,161. *Prov.* William Tyree, 314 George-street, Sydney, N.S.W., gas engineer,

"Improvements in a combined vermin destroyer and automatic sprayer for painting agricultural, disinfecting and other analogous purposes."

11,162. *Prov.* William Tyree, 314 George-street, Sydney, N.S.W., gas engineer,

"Improvements in composite blocks and bricks and in a mould for the construction thereof."

11,163. *Prov.* John Sands, 30 to 38 Druitt-street, Sydney, N.S.W., engineer (*assignee of* Henry Bethan Woolnough, *act. inv.*, Druitt-street, Sydney, N.S.W., engineer),

"An improved method of sluicing in connection with mining dredges."

11,164. *Comp.* Granville William John White, Porter-street, Ryde, N.S.W., engineer,

"Improvements relating to steam condensing apparatus."

11,165. *Prov.* Robert Jason Innis, 28 Pine-street, Sydney, N.S.W., manufacturer,

"Improvements in machines for making wire netting."

11,166. *Prov.* Robert Jason Innis, 28 Pine-street, Sydney, N.S.W., manufacturer,

"Improvements in the manufacture of wire netting."

11,167. *Prov.* Albert Charlwood, Waterfield-street, Coburg, Vic., baker,

"An improved whisk for eggs, cream and the like."

Tuesday, 31st March.

11,168. *Comp.* Philip Magnus, 17 Jackson-street, Northcote, Vic., commercial traveller,

"Improvements in and relating to the means of cooling milk cans and the like."

11,169. *Prov.* Henry Burall Courtis, Dunedin, N.Z., gas engineer,

"Improvement in certain classes of carburetters for the production of gas from hydro-carbon oils."

11,170. *Prov.* Franklin Holmes Verity Haselwood, Maroona, Warra, Qld., farmer,

"An improved apparatus for sinking post holes."

11,171, *Prov.* Daniel Alfred Mintern, corner of Balwyn and Belmore roads, Canterbury, Vic., machinist,

"Improvements in or connected with chaff-cutting machines for the sharpening of the knives automatically."

11,172. *Prov.* John Alexander McDonald, "Birnamwood," Broome Hill, G. S. Railway, W.A., farmer,

"The mono earth scoop."

Wednesday, 1st April.

11,173. *Comp.* Ernest Vanderstegen, Cane End, Caversham, near Reading, Eng., mechanical engineer.

Application under Sec. 121.

[Date applied for 3rd Apr., 1907, being date of application in Great Britain, No. 7782/07.]

"Improvements relating to window sash lines and the like."

Applications received, 26th March to 1st April—*continued.*

11,174. *Comp.* Arthur Hjalmar Borgström, Hangö, Finland, merchant,

"Improvements in the continual manufacture of butter and apparatus therefor."

11,175. *Comp.* John Thomas Timms, 74 Queen's-terrace, Reynard-road, Coburg, Vic., mechanic,

"Improvements in and relating to holders for telephone receivers and the like."

11,176. *Prov.* Theodore Thomas Mulder, "Woodburn," Murroon, Vic., dairy farmer,

"An improvement in milking apparatus."

11,177. *Comp.* Georg Johan Eugen Sundberg, Vesterlanggatan 65, Stockholm, Sweden, director, and Carl Jakob Johan Hägg, Husby, Hagaryd, Sweden, dairyist,

"Improvements in milking machines."

11,178. *Comp.* Attilio Merlini, Genoa 14, Via Trebisonda, Italy, engineer, and Riccardo Ghio, Genoa 10, Via S. Lorenzo, Italy, gentleman,

"Improved method and apparatus for utilising the force of the waves of the sea, lakes, rivers and the like."

11,179. *Comp.* George Montagu Heath, Hoskins Buildings, Spring-street, Sydney, N.S.W., caretaker,

"Counterbalance for cord pendant electric lamps."

11,180. *Prov.* William Henry Richardson, George-street, Thebarton, S.A., engineer,

"Improved interchangeable gold saving tables and driving apparatus therefor."

11,181. *Prov.* Thomas Fleming and James John Fleming, both of 79-81 Parramatta-road, Sydney, N.S.W., and Mervyn Kenneth Mackenzie, and Norman Hawkins Mackenzie, both of 743-745 Harris-street, Sydney, N.S.W.,

"Improved power shirt and collar ironing machine."

11,182. *Prov.* John Martin Vandenberg, "Euston," Gladstone-avenue, Woolwich, N.S.W., commercial traveller,

"Improvement for producing a naked flame for lighting cigars, pipes, etc., for use in bars of hotels, cafés and other places, and applicable as an advertising medium."

11,183. *Comp.* Percy Samuel Renn, Fulham-crescent, Alphington, Vic., machinist,

"An impaired clip with serrated edge, attachable to folding cover, for retaining checks, books and the like."

11,184. *Prov.* Charles Herbert Gardner, 31 O'Grady-street, Clifton Hill, Vic., miner,

"A lever brake for vehicles and rotary machinery."

11,185. *Prov.* Herbert Arthur Branchflower, 27 Niagara-lane, Melbourne, Vic., chair and couch manufacturer,

"An improved adjustable rest for couches, chairs or the like."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,287. Küpfer, G.

1908.

10,631. Ive, C. W.
An improved chain clasp lock.

10,780. Hoelle, J.
An improved steam washing machine.

10,804. Moon, R. A., & Donald, R. K.

10,819. Jacobsen, E., & Hewitt, J. H.

10,823. De Grosse, F.

10,848. Budge, J.

10,867. Davies, J. B., & Bell, H.

10,869. Pilkington, W. H.

10,871. Miller, P.

10,872. Burn, A. K.

10,876. Edmanson, G. E.

10,877. Turnbull, H. A., & Goding, A.

10,879. Davison, F.

10,881. Watts, W.

10,882. Monod, A.

10,883. James, H. B.

10,884. Price, L.

10,887. Perrett, H.

10,888. Hackett, H. W.

10,890. Corbett, J. W.

10,891. Andrew, G. E.

10,896. Gyton, T. H.

10,897. Johnson, G.

10,899. Jackson, J. D., and Metters, J. T. & C. H.

10,900. Un. Shoe Mach. Co. (Bennion)

10,905. Purves, T. F., & Sinnott, J.

10,907. Boultbee, A. B.

10,910. Goold, R. H.

10,916. Maxwell, A. E.

10,918. Dixon, J., & Lawrence, J. C. F.

10,920. Hicks, L. H., & Cooke, A. N.

10,922. Smith, C. G. (Jarrett, *Herbert* J.)

10,923. Pierce, J. S.

10,927. Witt, H. H., & Stowe, E. S.

10,928. Tomlin, J. W.

10,929. Harriman, N. H. (Oulton).

10,932. Brittin, H. E., & Ferry, S.

10,934. Walker, W.

10,935. Byers, T.

10,936. McDiarmed, C. D.

10,937. Parker, B. & J.

10,938. Grant, J. F.

10,939. Dugins, W. F.

10,940. Gleeson, P.

10,941. Moody, S.

10,942. Fulton, H., & McGavin, A.

10,944. Hancock, J. C.

10,946. Watchorn, R.

10,947. Wilkinson, A. J.

10,948. Stoneman, A. R.

10,951. Newman, J. G., & Head, S. J.

10,953. Winstanley, Emily C. (Winstanley, A. A.)

10,954. Jarrett, A.

10,955. Smith, T.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9049. Frederick William Zercho, 364 Collins-street, Melbourne, Vic., manager,

"Improvements in picture and postal letter-cards." 25th Mar., 1908.

9058. Henry Stonz, 88 George-street, St. Peters, N.S.W., engineer,

"Improvements in wire weaving machines." 26th Mar., 1908.

9074. William Palmer, 10 Beatty-avenue, Toorak, Vic., carpenter and joiner,

"An improved sealing device applicable for mail bags, packages, milk cans, and the like." 24th Mar., 1908.

9077. Hubert Leslie John Torpy, Jolimont-square, Jolimont, Vic., brewer,

"An improved apparatus for filling bottles with aerated liquids and beverages." 27th Mar., 1908.

9084. Silas Allen Bradley, Merrigum, Vic., orchardist,

"An improved composition for use in the treatment of tomatoes and other fruit prior to drying." 28th Mar., 1908.

9119. Erhard Simeon Schroeder, Woodville-road, Woodville, S.A., teacher,

Application under Sec. 85, additional to 2317/05.

"Improvements in and relating to a device for extracting stumps, trees, posts and the like." 30th Mar., 1908.

9262. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturers (*assignee of* Arthur Bates, Arthur Ernest Jerram, and Joseph Goldbourn, *act. invs.*, all of Leicester, Leicestershire, Eng., engineers),

"Improvements in or relating to awl-controlling mechanism for boot and shoe machinery." 26th Mar., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

9431. Manufacturers' Machine Company, Montclair, New Jersey, U.S.A., manufacturers (*assignee of* William Henry Hooper, *act. inv.*),

"Pad covers and method for making the same." 25th Mar., 1908.

9438. George Robson, "Racine," Fitzroy-street, St. Kilda, Vic., inventor,

"Apparatus, controllable from a distance, for automatically turning on and off the lights of gas burners." 31st Mar., 1908.

9579. Alice Bishop, 34 Cameron-street, Balmain, N.S.W., housekeeper,

"Combined shoulder straps and corset." 31st Mar., 1908.

9619. Manufacturers' Machine Company, Montclair, New Jersey, U.S.A., manufacturers (*assignee* of George Frederick Stewart, *act. inv.*),

"Machine and method for facilitating the assemblage of shoe uppers and soles." 25th Mar., 1908.

10,469. John Timothy Turner, Williamstown-road, Port Melbourne, Vic., contractor,

"Improved portable destructor and cremator for house and other rubbish." 31st Mar., 1908.

1908.

11,046. Frederick Arthur Lawrence Hall, Gamble-street, East Brunswick, Vic., compositor,

"Improvements in and connected with and means of operating monotype mould-blades to cast low em, en and justifying spaces in mono-type machine-composed printing matter." 31st Mar., 1908.

11,061. William Horton Fletcher, Eikenhof, Jackson's Drift, Transvaal, S. Af., mining engineer,

"Improvements in mills or apparatus for crushing or pulverising ores, minerals and the like." 1st Apr., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8781. Duncan, W. H.
8782. Brown - Winstanley Mfg. Co. (Brown)
8783. Idiens, A. C.
8784. Hogg, T. R.
8790. Cronin, J. J.
8791. Angel, H. R.
8792. Staehling, A. R.
8793. Johnson, C. J., & Toogood, G.
8794. Miller, W.
8804. Wiseman, J. J.
8805. Lee, F. W.
8806. Jones, R., & Dedden, W.
8809. Parer, F.
8810. Parer, F.
8812. Cohen, E.
8813. Dehle, L. H.
8815. Lovett, G.
8821. Oliver, John & James, & Stevens, J.
8823. Lees, H. R.
8824. Schmitt, F.
8825. Kenna, G. H.
8826. Clark, J. J.
8827. Haselhurst, S. J.
8828. Malinsky, I.
8829. Small, G. H., & Gibbins, G.
8830. Morris, P. A., & Werner, C. H. F.
8833. Gregson, W.
8846. Batho, Evelyn M.

Assignment Registered.

1907.

7944. "Improvements in or relating to military equipments and the like."

Assignment of the whole *by* The Honourable Arthur Jex Davey *to*

The Mills Equipment Company Limited. Dated 18th Feb., 1908. Registered 26th Mar., 1908.

Revival under the "Patents Act 1906."

Any person may, within three months from the date of this Journal, enter Opposition (in the manner prescribed in the Patents Act 1903) against the granting of Letters Patent in the following:—

IT IS HEREBY NOTIFIED that the application of THE BROWN HOISTING MACHINERY COMPANY (Alexander Ephraim BROWN, *actual inventor*), to revive Application No. 8210, lodged 30th March, 1908, has been received, and that the application is revived.

Application for Amendment.

Notice is hereby given that any person intending to oppose the undermentioned Application must leave, at the Patent Office, Melbourne, within one month from the date of this Journal, notice (on Form K) of objections thereto.

1906.

5337. 26th Feb. (*See pg. 546/06.*) "An improved solution to be used in and process for the separation of metals from sulphide ores."

POTTER'S SULPHIDE ORE TREATMENT LTD. (*applicant*) seeks leave to amend the Complete Specification in connexion with the application lodged on the above date, as below, alleging as the reasons:—

Alteration 1x.—The alterations in the title and in the parts of the body of the specification and claims marked 1^x of the words "metals" to "metallic sulphides" or "sulphides" is because the term "metallic sulphides" is in the specification in strictness the right technical term; the term "metals" was used as meaning "metallic sulphides" (being a usual meaning of the term in ordinary language) as is made clear (*inter alia*) by a reference to parts of the specification relating to the after treatment processes which are now intended to be struck out.

Alteration 2x.—The additions of the words "when necessary" at the commencement of the second paragraph of the Specification is explanatory and merely to meet a suggested criticism, that "slimes" are capable of further pulverisation.

Alteration 3x.—The striking out of the words "any acid preferably" and the words "for reasons hereinafter stated" and the insertion of the words "or any other suitable acid, but preferably sulphuric acid," is for the purpose of formally disclaiming acids which are found by experience to be unsuitable,and to emphasise the fact that sulphuric acid is the preferable acid to use for other reasons in addition to those referred to by the words now struck out "for reasons hereinafter stated." See Authority in the matter of Dillwik's Patent 15 R.P. Cases 682.

Alteration 4x.—The added words from "Heat being applied" to the words "operator to determine" are merely explanatory; they are taken in substance from the Victorian Patent, the earliest of them taken out in the Australian States for the same invention, and were omitted in the New South Wales Patent and other Patents from which the Commonwealth Patent is taken as unnecessary, but it is now considered that it makes the descriptive working conditions of the invention clearer to insert them: the only alterations made being the insertion of the words "when admixed" occurring between the words "solution" and "becomes," page 2, line 5, and the substitution of the word "sulphides" for the word "concentrates," page 2, line 7, and substituting the word "mass" for the word "substance, page 2, line 8.

Alteration 5x.—The added words from "while the exact acidulated strength" to the words "of the whole solution" are transposed from the position they originally occupied in the Specification at the place marked 5^x, and this is done to make it clearer that these words apply to the treatment of ores generally as well as to the particular description of ores described as "ores containing lead, zinc, copper, etc." This would have been the right construction without the transposition, but such transposition prevents the possibility of misapprehension.

Alteration 6x.—The words from "The suitability of any sulphide ore" to the words "bunsen burner or lamp" are explanatory words added to show how by a very simple

Application for Amendment—*continued.*

test in a very short time it can be determined whether any particular acid is suitable for treating any particular ore.

Alteration 7x.—The added words to the lines marked 7^x are explanatory. The ores referred to are typical Broken Hill ores and the amendment is thought to be a more technically correct description of them.

Alteration 8x.—These words are explanatory and are added simply to make it clear that others of the many well known methods of admixing solution and pulverised ore can be used.

Alteration 9x.—The words from "We use sulphuric acid" to the words "treatment herein described" are struck out as being no longer necessary in view of the fact that the specification has already described sulphuric acid as the preferable acid to use.

Alteration 10x.—The words "to some small extent" are struck out as leading to possible misapprehension of what is meant by "to some small extent."

Alteration 11x.—The added words are merely explanatory, stating specifically certain working directions, which would be self evident to any skilled expert using the process and for similar reasons the word "freely" before "used" is struck out.

Alteration 12x.—The words "large quantities of" are added to make it clearer that the Specification does not describe a process that will cause every particle of "metallic sulphides" to float on the surface.

Alteration 13x.—The words from "the gangue accumulating" to the words "extracted therefrom" are struck out as being merely descriptive of an after process treatment which has never been claimed as part of this invention and which had previously been inserted merely as explanatory of the utility of the invention.

Alteration 14x.—The words from "the skimmings or concentrates" to the words "by any of the well known processes" are struck out for identical reasons to those stated in 13^x, as also are the words "as and in manner hereinbefore described" occurring at the end of the second claim in proposed amended specification.

Alteration 15x.—The words from "the means or process for treating ores chiefly" to the words "more complete result obtained" are struck out as unnecessary being merely descriptive of the advantage of applying this process to particular classes of ores.

Alteration 16x.—The first claim is struck out as unnecessary and as being really included in the subsequent claims.

Alteration 17x.—The words "hereinbefore described" added in each of the two remaining claims are explanatory and to render the meaning clearer.

Note.—For the sake of easier reference to and explanation of the amendments a copy of the Specification is annexed hereto in which the amendments, in addition to being shown in red ink, are marked from 1^x to 17^x.

The references are to the certified copy lodged with the Application for Amendment on 14th February, 1908.

Proposed Amendments.

Page 1, *delete* word "metals" in the second line of the title and *substitute* therefor the words "metallic sulphides"

Page 2, line 2, *insert* words "when necessary" before word "pulverised"

Page 2, line 6, *delete* words "any acid (preferably" before word "sulphuric" and *delete* words "for reasons" after the word "acid"

Page 2, line 7, *delete* words "hereinafter stated)," and *insert* "or any other suitable acid"

Page 2, line 8, *insert* in brackets, with comma after brackets, the words "but preferably sulphuric acid"

Page 2, line 10, *insert* words "Heat being" after the word "treated."

Page 2, line 11, *insert* all the words—beginning with the word "applied" and ending with the word "tube"—on lines 11 to 31 both inclusive.

Page 3, line 1, *insert* the words "or beaker with a solution of such acid and admixing"

Page 3, line 2, *insert* the words "and heating same over a bunsen burner or lamp."

Page 3, line 3, *insert* the words "the sulphides of" after the word "containing."

Page 3, line 4, *insert* the word "and" before the word "iron" and *delete* the words "and silver in combination" and *insert* the words "either with or with-" after the word "combination"

Page 3, line 5, *insert* the words "-out silver free or combined," before the word "with" and *delete* the words "with sulphur"

Page 3, line 9, *delete* full stop after word "stirrers" and *substitute* a comma therefor and after word "stirrers" *insert* the words "or other means for admixing" after the word "stirrers"

Page 3, line 10, *insert* the words "the ore and acidulated solution" with full stop after "solution" before the word "The."

Application for Amendment—*continued.*

Page 3, line 20, *delete* the words "We use sulphuric acid preferably by reason" after the word "treatment"

Page 3, line 21, *delete* all the words—beginning with the word "of" and ending with the word "solution"—on lines 21 to 30, both inclusive.

Page 4, line 2, *delete* the words "to some small extent" after the word "varying"

Page 4, line 4, *insert* the words "the proportion of solution" after the word "fineness"

Page 4, line 5, *insert* all the words from "being" to "very" both inclusive.

Page 4, line 6, *insert* all the words from "fine," to "carried" both inclusive.

Page 4, line 7, *insert* the words "out with greater care," before the word "The" and after the word "stirrers" *insert* the words "or other appli-"

Page 4, line 8, *insert* the words "-ances for admixing," before the word "are" and *delete* the word "freely" before the word "used"

Page 4, line 11, *insert* the words "or by any other suitable means." after the word "vessel"

Page 4, line 13, *insert* words "large quantities" after word "causes"

Page 4, line 14, *insert* word "of" before word "the" and *insert* words "metallic sulphides" after word "metals" also *delete* the word "metals" after word "the"

Page 4, line 16, *delete* word "it" after word "which" and *insert* word "they" before word "may"

Page 4, line 19, *delete* words "The gangue" after word "treatment"

Page 4, line 20, *delete* all words from line 20 to line 24 both inclusive,

Page 4, line 25, *delete* the words "and silver be thus extracted therefrom" before the word "The."

Page 4, line 30, *delete* the word "The" after the word "diminished" and also all the words in lines 31, 32 and 33.

Page 5, line 1, *delete* all words in this page commencing from word "iron" and ending with word "containing"

Page 6, line 1, *delete* all the words in lines 1 to 8 both inclusive commencing with word "practically" and ending with word "obtained."

Page 6, line 12, *strike out* claim 1.

Page 6, line 18, *strike out* numeral "2" and *insert* numeral "1" also *delete* word "metals" and *insert* word "metallic" after word "metals"

Page 6, line 19, *insert* word "sulphides" before word "from"

Page 6, line 22, *insert* words "hereinbefore described," before word "and."

Page 6, line 24, *delete* word "metals" after word "the" and *insert* words "metallic sulphides" after word "metals."

Page 6, line 26, *delete* numeral "3" and *substitute* "2" therefor, also *insert* word "metallic" after word "metals" and *strike out* word "metals" after word "separating"

Page 6, line 27, *insert* word "sulphides" before word "from"

Page 6, line 28, *insert* word "therewith" after word "mixing"

Page 6, line 29, *insert* words "hereinbefore described" before word "therewith" and *delete* word "therewith" before word "stirring"

Page 7, line 1, *delete* word "metals" after word "such" and *insert* word "sulphides" before word "from"

Page 7, line 3, *delete* words "concentrates or metals" after word "such" and *insert* word "sulphides" before word "ready."

Page 7, line 4, *delete* the words "as and in manner hereinbefore" after the word "treatment" and *insert* a full stop after the word "treatment"

Page 7, line 5, *strike out* the word "described"

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8210. The Brown Hoisting Mach. Co. (Brown)
8305. Lemoine, A.
8369. Boldeman, Barbara
8388. Un. Shoe Mach. Co. (McFeely)
8428. Newman, R.
8637. Wyatt, W., & Newson, A.
8777. Beale, O. C., & Vader, C. J.
8883. Newman, C., & Stoot, R. M. H.
8901. Swinton, T. McG.
8986. Patton, J. B. (Tucker)
9007. Un. Shoe Mach. Co. (Reed)
9079. Smith, J. L.
9226. Prosser, H. A., & Ladd, J. B.
9465. Fallshaw, D.
9573.*Brewster, F. W.
9590. Scarcebrook, A. J., & Watson, J. I.
9592. Harrop, E. G.
9625. Jurss, F.
9628. Muhlinghaus, H.
9715. Ilett, T.
9915.*Hooper, T. M., & Dudgeon, P.
9957. Waters, E. N. (Stilwell)
10,193. De Witt, C. C.
10,282. Lucy, E. E.
10,356. Platinum Substitutes Ld. (Calvert)
10,380. Cox, F. J.
10,397. Sigmont, W.
10,411. Blessing, L.
10,433. Burtart, H. J., & Gerrard, E. A.
10,447. Risberg, J. V. M.
10,463. Saunders, W.
10,504. Young, A., & Rowlands, T.
10,536. Klinger, R.

1908.

10,581. Hunter-Weston, R. H.
10,643. Debenham, T. C.
10,654. Carter, McI. J. D.
10,678. Moore, W. B.
10,679. Moore, W. B.
10,726. Waters, E. N. (Holbourns & Longhurst)
10,752. Davidson, J. E., & Page, W. F.
10,758. Ramsay, J.
10,786. Phillips, E. (Breker)
10,805. Turner, J., & Buxton, A.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

In the following cases the particulars have been revised or varied, and are now printed in full:—

9573. Francis Wentworth Brewster, *act. inv.*, The Golfers' Club, Whitehall, London, Eng., gentleman,

Application under Sec. 121.

[Date applied for 17th Sept., 1906, being date of application in Great Britain, No. 20,614/06.]

"Improvements in golf clubs."

9915. Thomas Martin Hooper, Fingal, Tas., mining manager, and Peter Dudgeon, Tower Hill, Tas., engine-driver,

"An improved hand-operated safety appliance for controlling the descent of mining and other elevating cages."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.1	Counting, numbering, and time stamping on telegrams. (05.0; 48.3; 50.7; 54.3; 56.2)	Lemoine	8305

Group 01.—Acoustics.

01.2	Tuning pegs; metal cones with lock nuts; 3 designs. (Section 7, *see* Vic. 18,040/01)	Beale	8777

Group 03.—Electric Railways and Power.

03.1	Adjustable masts and rigging for antennae. (05.5; 92.4) ...	Brown	8210

Group 04.—Electric Apparatus.

04.3	Electric stop mechanism actuated by broken thread. (42.3; 46.6; 56.4; 61.5; 62.8; 78.1)	Tucker	8986

Group 05.—Telegraphy and Telephony.

05.0	Folding, stamping, counting and distributing telegrams. (00.1; 48.3; 50.7; 54.3; 56.2)	Lemoine	8305
05.5	Adjustable masts and rigging for antennae. (03.1; 92.4) ...	Brown	8210

Group 06.—Electric Lamps.

06.4	Enamel protection for copper ribbon sealed in glass bulbs. (19.6)...	Bastian	10,356

Group 11.—Mech. and Elec. Separation.

11.7	Wet type; revolving 4-pole magnet; attraction and repulsion of particles	Moore	10,678
11.7	Wet process, concentrating by subjecting particles to rapid reversal of polarity	Moore	10,679

Group 12.—Hyd. and Pneu. Separation.

12.1	Riffled washing tables; adjustable slope; mercury wells. (13.2) ...	Newman C.a.P.	8883

Group 13.—Amalgamation.

13.2	Pulp drops into mercury from funnelled jets. (12.1)	Newman C.a.P.	8883

Group 15.—Metallurgy in Furnaces.

15.6	Reducing briquetted tin slag in blast furnace and blowing-off tin oxide fumes. (16.33)	Mühlinghaus	9628

Group 16.—Furnaces.

16.33	Diagram of blast furnace for poor tin slags, &c. (15.6) ...	Mühlinghaus	9628
16.8	Overhead traveller and balanced arm for charging ingot furnaces. (59.1)	Prosser C.a.P.	9226

Group 19.—Glass and Ceramics.

19.6	Enamel protection for copper ribbon sealed in glass bulbs. (06.4)	Bastian	10,356

Complete Specifications Accepted—*continued.*

Group 22.—Candles and Lamps.

22.8 Operating gas lamps; high and low pressure; diaphragm lever, latches and mercury bells Debenham 10,643

Group 24.—Domestic Heating; Cooking.

24.7 Cake baking tin, opening circumferentially. (34.6) Newman 8428

Group 25. Washing; Cleaning; Brushes.

25.2 Swing-post crane on laundry copper for lifting a cage of clothes. (59.1) Ilett C.a.P. 9715

Group 27.—Beverages.

27.1 Clearing thick wort by peptonizing with malt extract below 69° C., with subsequent heating, drainage and cooling by dilution ... Breker 10,786

Group 31.—Cultivation.

31.5 Grain pickling plant; bag lifter; grader; shaker and fan; pickling drum, &c. (32.6) Smith C.a.P. 9079

Group 32.—Harvesting.

32.6 Grain pickling plant; bag lifter; grader; shaker and fan; pickling drum, &c. (31.5) Smith C.a.P. 9079

Group 34.—Cereals, Vegetables, Fruit.

34.6 Cake baking tin, opening circumferentially. (24.7) Newman 8428

Group 36.—Dairy Food.

36.4 Artificial cream, &c., by mixing fat in centrifugal disintegrator. (36.6) Risberg 10,447

36.6 Centrifugal fat disintegrator and emulsifier for artificial or homogeneous milk or cream. (36.4) Risberg 10,447

Group 37.—Pastoral.

37.1 Feed hopper with shaking shoot to box. (39.3) Swinton C.a.P. 8901

Group 38.—Fowling; Fishing; Trapping.

38.9 Carbon bisulphide spray-pump plant. (68.9; 97.85) H.-Weston 10,581

Group 39.—Harness; Animal Power.

39.3 Feed hopper with shaking shoot to box. (37.1) Swinton C.a.P. 8901

Group 40.—Textile Raw Materials.

40.1 Retting pineapple leaves in hot caustic liquor Boldeman C.a.P. 8369

Group 42.—Sewing.

42.3 Stop clutch mechanism electrically actuated by broken thread. (04.3; 46.6; 56.4; 61.5; 62.8; 78.1) Tucker 8986

Group 43.—Wearing Apparel.

43.9 Elastic metal bracelet; tubular links with internal springs. (58.7.) (Section 121) Harrop 9592

Complete Specifications Accepted—*continued.*

Group 44.—Boots and Shoes; Umbrellas.

44.3	Wedge shaped hollow rubber heel pad and insole	Ramsay	10,758
44.3	Laminated wooden heel; metal tread retainer; cushioned pegs ...	Davidson	10,752
44.5	Pull-over machines; heel-rest, gripping and tacking details. (78.1)	McFeely C.a.P.	8388
44.5	Hinged section in sand papering wheels; centrifugal latch. (75.2)	Reed C.a.P.	9007

Group 46.—Upholstery.

46.6	Cutting, end sewing and nailing blinds to rollers. (04.3; 42.3; 56.4; 61.5; 62.8; 78.1)	Tucker	8986

Group 48.—Paper; Bookbinding.

48.3	Folding, numbering, cutting and distributing telegrams. (00.1; 05.0; 50.7; 54.3; 56.2)	Lemoine	8305
48.3	Web-roll joining and fault detecting in paper. (48.5; 61.5) ...	Stilwell	9957
48.5	Detecting and discarding faulty paper bags; stop gear, &c. (48.3; 61.5)	Stilwell	9957

Group 50.—Typographic Printing.

50.5	Multiple magazines arranged obliquely; simultaneous locking of escapement levers and pawls	Holbourns	10,726
50.7	Folding, numbering, cutting and distributing telegrams. (00.1; 05.0; 48.3; 54.3; 56.2)	Lemoine	8305

Group 51.—Lithography, &c.

51.3	Rotary stencil duplicator (*as* G.B.7714/*06*); removable segmental frame; external inking roller and trough. (51.6)	Carter	10,654
51.6	Rotary stencil duplicator (*as* G.B.7714/*06*); removable segmental frame; external inking roller and trough. (51.3)	Carter	10,654

Group 53.—Amusements.

53.1	Golf club heads; boat-shaped castings packed with wood, &c.; 6 designs	Brewster	9573
53.1	Football; inner canvas cover to relieve tension on outer cover. (53.2)	Turner	10,805
53.2	Punching ball; inner canvas cover to relieve tension on outer cover. (53.1)	Turner	10,805
53.6	Reinforced concrete slab for billiard tables. (81.2)	Fallshaw	9465
53.8	Spring wire card holders for "double dummy" whist, &c. (58.4)	Sigmont C.a.P.	10,397

Group 54.—Commerce.

54.3	Folding, stamping, counting and distributing telegrams. (00.1; 05.0; 48.3; 50.7; 56.2)	Lemoine	8305

Group 56.—Counting, Measuring, Weighing.

56.2	Counting, numbering, and time stamping on telegrams. (00.1; 05.0; 48.3; 50.7; 54.3)	Lemoine	8305
56.4	Measuring fabrics for roller blinds; cams, pawls, clutches. (04.3; 42.3; 46.6; 61.5; 62.8; 78.1)	Tucker	8986

Group 58.—Chains, Ropes, Wire.

58.4	Spring wire card holders for "double dummy" whist, &c. (53.8)	Sigmont C.a.P.	10,397
58.7	Elastic metal bracelet; tubular links with internal springs. (43.9.) (Section 121)	Harrop	9592

Complete Specifications Accepted—*continued.*

Group 59.—Conveying and Lifting.

59.1	Overhead traveller and balanced arm for charging ingot furnaces. (16.8)	Prosser	C.a.P.	9226
59.1	Swing-post crane on laundry copper for lifting a cage of clothes. (25.2)	Ilett	C.a.P.	9715
59.2	Safety draw-gear for trucks on rope-inclines; hook lowered by slackened rope. (59.4; 96.3)	Jurss	C.a.P.	9625
59.2	Coupled cage-grips with hand wheel for passengers' use ...	Hooper		9915
59.4	Safety draw-gear for trucks on rope-inclines; hook lowered by slackened rope. (59.2; 96.3)	Jurss	C.a.P.	9625

Group 60.—Mechanism; Lubrication.

60.7	Perforated soft metal lining for packed glands	Klinger		10,536

Group 61.—Governors.

61.5	Thread actuated electric stop clutch. (04.3; 42.3; 46.6; 56.4; 62.8; 78.1)	Tucker		8986
61.5	Electric fault detecting and stop gear in paper bag machine. (48.3; 48.5)	Stilwell		9957

Group 62.—Power Storage.

62.7	Spring controlled eccentric pulley sleeves for regulating belt tension. (93.3; 95.7; 95.9)	Burtart		10,433
62.8	Stop clutch mechanism electrically actuated; friction collars. (04.3; 42.3; 46.6; 56.4; 61.5; 78.1)	Tucker		8986

Group 65.—Reciprocating Motors.

65.3	Piston design for pneumatic pile-head buffer. (82.6; 96.6) ...	De Witt		10,193

Group 66.—Gas and Oil Engines.

66.5	Carbureting chambers; liquid drips on rotating open coiled sheets. (Section 121)	Cox		10,380

Group 68.—Pumps for Liquids.

68.9	Pneumatic sprayer for CS_2; hand-controlled spring nozzle. (38.9; 97.85)	H.-Weston		10,581

Group 72.—Turning; Milling; Fitting.

72.1	Wheel-hub jack for pulling wheels off axles. (93.9)	Scarcebrook		9590

Group 74.—Pipes and Fittings.

74.1	Removing siloxicon cores from hollow-rolled drill steel by air blast. (75.9; 85.8)	Young		10,504

Group 75.—Abrading and Polishing.

75.2	Hinged section in sand papering wheels, centrifugal latch. (44.5)	Reed	C.a.P.	9007
75.2	Telescopic screwed spindle-case for adjusting face grinders. (75.3; 96.3)	Lucy		10,282
75.2	Cork lined knife cleaner; slate edge sharpener	Saunders	C.a.P.	10,463
75.3	Grinder for facing loco-hornplates in situ. (75.2; 96.3)	Lucy		10,282
75.9	Removing siloxicon cores from hollow-rolled drill steel by air blast. (74.1; 85.8)	Young		10,504

Complete Specifications Accepted—*continued.*

Group 78.—Structural Hardware.

78.1 Tack handling and driving in boot machines. (44.5) McFeely C.a.P. 8388
78.1 Tack driving mechanism, shaking hopper, magnetic transferrer and driver. (04.3; 42.3; 46.6; 56.4; 61.5; 62.8) Tucker 8986

Group 80.—Carpentry.

80.3 Metal wedge for axe shafts, &c.; projecting bolts for withdrawal ... Wyatt C.a.P. 8637

Group 81.—Buildings, Streets, Fencing.

81.2 Reinforced concrete slab for billiard tables. (53.6) Fallshaw 9465
81.2 Concrete sleepers; oblique eye-bolts for adjusting gauge, &c. (98.4) Blessing 10,411

Group 82.—Harbours, Foundations.

82.6 Air-piston buffer-head for driving concrete piles, &c. (65.3; 96.6) De Witt 10,193

Group 85.—Mining.

85.8 Removing siloxicon cores from hollow-rolled drill steel by air blast. (74.1; 75.9) Young 10,504

Group 92.—Marine Propulsion.

92.4. Adjustable masts and rigging for antennae. (03.1; 05.5) ... Brown 8210

Group 93.—Road Vehicles.

93.3 Spring controlled eccentric hubs for vehicle wheels. (62.7; 95.7; 95.9) Burtart 10,433
93.9 Wheel-hub jack for pulling wheels off axles. (72.1) Scarcebrook 9590

Group 95.—Locomobiles.

95.7 Spring controlled eccentric hubs for vehicle wheels. (62.7; 93.3; 95.9) Burtart 10,433
95.9 Spring controlled eccentric hubs for vehicle wheels. (62.7; 93.3; 95.7) Burtart 10,433

Group 96.—Rolling Stock.

96.3 Safety draw-gear for trucks on rope-inclines; hook lowered by slackened rope. (59.2; 59.4) Jurss C.a.P. 9625
96.3 Grinder for facing loco-hornplates in situ. (75.2; 75.3) Lucy 10,282
96.6 Piston design for pneumatic pile-head buffer. (65.3; 82.6) ... De Witt 10,193

Group 97.—Wheels.

97.85 Combined poppet and tyre inflation valves. (38.9; 68.9) ... H.-Weston 10,581

Group 98.—Permanent Way.

98.4 Concrete sleepers; oblique eye-bolts for adjusting gauge, &c. (81.2) Blessing 10,411

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,748. Alva Leeman REYNOLDS and George Albert REYNOLDS, both of Huntington Beach, Orange, Cal., U.S.A., mechanics.

Application under Sec. 121.

[Date applied for 18th March, 1907, being date of application in U.S.A.]

"Wave power apparatus."

11,033. Frederick Charles THOMPSON, 149 Chester-street, Christchurch, N.Z., inventor.

Application under Sec. 121.

[Date applied for 5th April, 1907, being date of application in N.Z., No. 22,646/07.]

"A bracket attachment for fixing blinds to window sashes."

11,126. Edouard Elie MOLAS, 22 rue des Cendriers, Paris, France, engineer, and Maurice DELAFON, 14 quai de la Rapee, Paris, France, engineer.

Application under Sec. 121.

[Date applied for 29th Mar., 1907, being date of application in France.]

"Improvements in and relating to apparatus for generating burned gases under pressure."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

7194. J. Woodhead. *Extracting weeds, &c.* Classes 30.1; 31.5.
7221. J. A. Paterson. *Hydrocarbon gas.* Classes 21.4; 23.7.
7236. H. T. Rawnsley. *Harness.* Class 39.6.
7322. J. H. Peters. *Butter cutter and refrigerator.* Classes 29.7; 36.8.
7416. W. B. D. Ponninghaus. *Washing machine.* Classes 25.2; 25.5.
7431. A. Wauchope and Others. *Carriage for conveyors.* Classes 59.7; 60.8.
7433. H. Stiles. *Supporting and locking cycles.* Classes 77.3; 94.9.
7499. W. M. Davison. *Steam and water tap or cock.* Class 74.7.

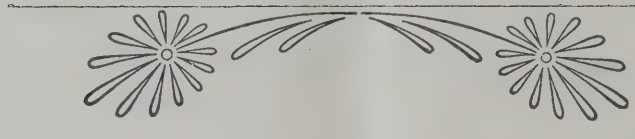
1907.

7901. J. G. Le Couteur. *Horse collar.* Class 39.6.
8077. Società Anonima per Griglie e Forni Virgili (Virgili). *Baking, &c.* Class 24.2.
8269. J. E. Ephraim. *Acetylene generator.* Class 21.87.
8422. Ridd and Young. *Teat probe.* Classes 36.1; 87.4.
8493. Aktiebolaget Baltic-Separator (Risberg). *Butter manufacture.* Class 36.7.
8558. Butler Pumping Co. (Butler). *Pumps.* Class 68.5.
8569. Winters and Magie. *Motor vehicle driving gear.* Classes 62.4; 62.8; 95.7; 95.9.
8592. A. C. Findlay. *Candle extinguisher.* Class 22.1.
8624. W. J. Parker. *Attachments to corsets, &c.* Class 43.3.
8677. T. Sutton. *Collapsible cheese crate.* Classes 36.9; 48.5.
8684. Eckersley and Sheehan. *Carbonating machines.* Class 27.5.
8704. J. P. Lynn. *Electro-magnetic stamp battery.* Classes 02.8; 10.2.
8708. A. L. Christenson. *Blue-milk outlet.* Class 36.6.
8711. The Colt Gun & Carriage Co. Ltd. (North). *Automatic guns.* Class 89.3.
8712. R. A. Fessenden. *Electric signalling.* Classes 00.1; 02.4; 02.6; 04.3; 05.2; 05.5.
8743. J. McK. Sutherland. *Posts and stumps.* Classes 81.8; 82.6.
8754. J. Pender. *Clips on horse shoes.* Classes 39.3; 71.3.

Printed Specifications Published—*continued.*

1907.

8852. O. F. W. Retzlaff and Others. *Sash windows.* Class 81.5.
8862. C. J. Robinson. *Mechanical vibrators.* Classes 60.4; 87.3.
8906. T. A. Silverwood. *Tyres for vehicle wheels.* Classes 93.4; 97.89.
8956. Hewitt and Walker. *Loose leaf books, &c.* Class 48.8.
8964. F. H. Maxwell. *Stamper batteries.* Classes 10.2; 11.3.
8993. H. J. Cassard. *Can openers.* Class 57.5.



Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*26th March, 1908.*			
7447	26 Nov.	J. C. Gregory	Vic.	Billiard table cushion ...	406
7478	29 Nov.	A. Haskard & P. Hillam	S.A.	Rabbit extermination ...	513
7570	10 Dec.	H. Hill & J. Blain ...	N.Z.	Mitre box and cramp ...	648
	1907.				
7922	1 Feb.	A. R. Mackenzie ...	Qld.	Treating bêche-de-mer ...	708
8109	25 Feb.	A. S. Hudson	Qld.	Ear-marking pliers, &c. ...	709
8549	24 Apr.	T. Aitken	Scot.	Distributing liquids on roads	220
9315	25 July	Maatschappij tot vervaardiging, &c. (Roest)	Holland	Meat slicing machines ...	458
	1906.	*28th March, 1908.*			
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	1907.				
9773	17 Sept.	H. L. Hartenstein ...	U.S.A.	Carbid	579
9776	17 Sept.	H. L. Hartenstein ...	U.S.A.	Calcium carbid ...	579
9777	17 Sept.	H. L. Hartenstein ...	U.S.A.	Carbid	579
9778	17 Sept.	H. L. Hartenstein ...	U.S.A.	Carbid	579

Application in respect of which a Complete Specification has been Accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1906.				
7443	26 Nov.	De M. Preston	Vic.	Vehicle wheel hub ...	620

GEORGE TOWNSEND,
Commissioner of Patents.

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NOTICE IS HEREBY GIVEN that NORBERT CEIPEK, of 33 Wahringerstrasse, Vienna IX. Austria, Chemical Engineer, the Grantee of Australian Letters Patent No. 527, dated 1st June, 1904, for **"Explosive Compounds of high shattering power,"** desires to enter into negotiations with any persons or Companies in order to obtain the use of the invention, and is prepared to satisfy every demand, and all the requirements of the public respecting the same in the Commonwealth.

Every required information and particulars will be supplied upon application to—

C. STANLEY BURGESS, Patent Attorney,
89 King William Street, Adelaide.

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All advertisements prior to insertion must be approved by the Commissioner of Patents.

No advertisement shall exceed half-a-page in size.

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SUPPLEMENT ISSUED WITH JOURNAL No. 13, 7TH APRIL, 1908.

MONTHLY INDEXES.

MARCH, 1908.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

INDEX TO SUBJECT-MATTER

IN SPECIFICATIONS LODGED.

APPLICATIONS FOR 1907, Nos. 7678 TO 10,580.
APPLICATIONS FOR MARCH, 1908, Nos. 10,996 TO 11,172.

INDEX TO NAMES OF PERSONS

IN APPLICATIONS AND PROCEEDINGS.

MARCH, 1908.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

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TO SPECIFICATIONS LODGED.

MARCH, 1908.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

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Class.	Title.	Name.	Number.
	Group 05.—Telegraphy and Telephony.		
05.6	Telephone message counter. (56.2)	Fosbery P.	10,977
05.6	Telegraphonic apparatus. (01.7)	Hytten	10,987
05.6	Loud speaking telephone apparatus. (05.7)	Marzi	10,992
05.6	Telephone call or number recorder	Maxwell P.	11,040
05.7	Loud speaking telephone apparatus. (05.6)	Marzi	10,992
05.8	Telephone exchanges, &c.	Mallyon P.	11,009
05.8	Party-line telephones	Soans	11,030
	Group 06.—Electric Lamps.		
06.8	Electric furnaces	Reynolds	10,999
06.8	Cement. (07.7; 10.1; 16.33; 16.7; 18.3)	Cowper-Coles	11,005
06.8	Homogeneously uniting metals. (03.6; 73.6)	Waters	11,085
	Group 07.—Electrolysis and Batteries.		
07.7	Cement. (06.8; 10.1; 16.33; 16.7; 18.3)	Cowper-Coles	11,005
	Group 08.—Mineral Chemistry.		
08.8	Iron and steel direct from ores. (15.4; 15.5; 16.33)	Moore	8644
	Group 09.—Organic Chemistry.		
09.2	India-rubber substitutes. (47.5)	Grognot	11,123
	Group 10.—Crushing and Grinding.		
10.1	Cement. (06.8; 07.7; 16.33; 16.7; 18.3)	Cowper-Coles	11,005
10.3	Crushing or pulverizing ores, &c. (10.6)	Fletcher P.	11,061
10.3	Pulverizing mills	York	11,110
10.6	Crushing or pulverizing ores, &c. (10.3)	Fletcher P.	11,061
10.7	Chaff cutter. (34.2)	Altmann	8884
10.7	Peeling and slicing knives. (34.1)	Johnson P.	11,022
10.7	Meat slicer	Gunn P.	11,041
10.7	Sugar cane trash cutter. (33.1)	Kent	11,063
10.8	Explosive gelatin cartridge rope. (89.8)	Auchu	11,078
	Group 11.—Mech. and Elec. Separation.		
11.3	Ore screens	King P.	11,037
	Group 12.—Hyd. and Pneu. Separation.		
12.1	Sizing classifiers	Card P.	11,125
12.2	Treating ores. (14.4; 14.7; 28.2)	Caldecott	9053
12.2	Separating complex material	Watson P.	11,124
12.3	Centrifugal ore separators	Peck	11,065
12.3	Centrifugal ore separators	Peck	11,066
12.5	Ore concentration	Hoover	9150
	Group 13.—Amalgamation.		
13.2	Gold, &c., from ores	Newman	8883

Class	Title.	Name.	Number.
	Group 14.—Leaching Metallurgy.		
14.1	Gold, &c., from cupriferous ores. (14.4)	Crosse	P. 10,964
14.4	Treating ores. (12.2; 14.7; 28.2)	Caldecott	9053
14.4	Extracting gold and silver from slimes. (14.7)	Crosse	P. 10,963
14.4	Gold, &c., from cupriferous ores. (14.1)	Crosse	P. 10,964
14.4	Slime separator. (14.7)	Nichols	11,071
14.7	Treating ores. (12.2; 14.4; 28.2)	Caldecott	9053
14.7	Extracting gold and silver from slimes. (14.4)	Crosse	P. 10,963
14.7	Slime separator. (14.4)	Nichols	11,071
14.7	Treating sands, &c., with liquids	Usher	P. 11,086
	Group 15.—Metallurgy in Furnaces.		
15.4	Iron and steel direct from ores. (08.8; 15.5; 16.33)	Moore	8644
15.5	Iron and steel direct from ores. (08.8; 15.4; 16.33)	Moore	8644
	Group 16.—Furnaces.		
16.2	Ore furnace. (16.5)	Beck	P. 10,966
16.2	Coke ovens. (17.1; 20.2)	Armstrong	11,026
16.2	Recuperative spelter furnaces. (17.3)	Heinz	11,134
10.33	Iron and steel direct from ores. (08.8; 15.4; 15.5)	Moore	8644
16.33	Cement. (06.8; 07.7; 10.1; 16.7; 18.3)	Cowper-Coles	11,005
16.40	Charging furnaces. (59.1; 71.1)	Prosser	9226
16.5	Ore furnace. (16.2)	Beck	P. 10,966
16.7	Cement. (06.8; 07.7; 10.1; 16.33; 18.3)	Cowper-Coles	11,005
16.8	Generating burnt gases under pressure. (63.6; 66.5.) (Sec. 121)	Molas	11,126
	Group 17.—Chimneys, Fumes, Smoke.		
17.1	Coke ovens. (16.2; 20.2)	Armstrong	11,026
17.3	Recuperative spelter furnaces. (16.2)	Heinz	11,134
17.4	Reducing smoke from furnaces. (17.7; 67.1)	Stobbs	11,044
17.4	Suspended particles from gases, &c. (02.6; 90.9)	Cottrell	11,131
17.4	Dust eradicator	Wearne	P. 11,157
17.7	Smoke consuming in boiler furnaces	Rafferty	P. 10,965
17.7	Reducing smoke from furnaces. (17.4; 67.1)	Stobbs	11,044
17.7	Smoke preventing in steam boilers	Mousley	P. 11,145
17.8	Spark arrester	Anderson	8929
	Group 18.—Stones, Cement, &c.		
18.3	Composition usable as cement	Spence	9853
18.3	Cement. (06.8; 07.7; 10.1; 16.33; 16.7)	Cowper-Coles	11,005
18.5	Mould for blocks and bricks. (81.1)	Tyree	P. 11,162
	Group 19.—Glass and Ceramics.		
19.4	Circular flower-pot saucers and dies	Allard	11,036
	Group 20.—Solid and Liquid Fuel.		
20.2	Coke ovens. (16.2; 17.1)	Armstrong	11,026
20.6	Storing explosive liquids. (22.4; 61.7; 74.7; 74.8)	Heer	11,000

Class	Title.	Name.	Number.
	Group 21.—Gas for Light and Heat.		
21.4	Carbureted air, &c. (74.8)	Officer	11,111
21.4	Carbureters for producing gas from hydro-carbon oils	Courtis	P. 11,169
21.5	Testing moisture in wool. (37.6)	Richardson	8958
21.5	Acetylene generator. (21.87)	Drysdale	P. 10,998
21.87	Generating, &c., acetylene	Schmidt	10,958
21.87	Acetylene generator. (21.5)	Drysdale	P. 10,998
21.89	Acetylene gas generator	Kilgour	9347
	Group 22.—Candles and Lamps.		
22.4	Pump for filling lamps, &c. (68.3)	Brandt	8876
22.4	Storing explosive liquids. (20.6; 61.7; 74.7; 74.8)	Heer	11,000
22.4	Securing pumps to kerosene tins, &c.	Menzies	P. 11,153
22.5	Lamp chimney support for vessels. (24.5)	Monk	P. 11,114
	Group 23.—Bunsen and Incand. Burners.		
23.3	Vapour incandescent lamps. (23.5)	Hartley	11,007
23.3	Spirit or oil burner for heating, &c.	Davis	P. 11,102
23.5	Vapour incandescent lamps. (23.3)	Hartley	11,007
23.5	Anti-vibrator for gas fittings	Jones	P. 11,039
23.5	Incandescent mantles	Böhm	11,090
	Group 24.—Domestic Heating; Cooking.		
24.2	Warming oven and registered grate	Reed	8769
24.2	Fire-grate	Casimir	P. 11,023
24.2	Heating cooking stoves, &c. (63.4)	Jost	11,084
24.5	Bath heaters	Metters	9076
24.5	Washing machines. (25.2)	Haines	10,960
24.5	Water heaters	Duncan	P. 11,031
24.5	Lamp chimney support for vessels. (22.5)	Monk	P. 11,114
24.5	Water heater. (81.6)	Allan	11,156
24.7	Lids for earthenware containers. (57.5)	Anglim	8947
	Group 25.—Washing; Cleaning; Brushes.		
25.1	Branding soap	Wilde	P. 11,010
25.2	Washing machines. (24.5)	Haines	10,960
25.2	Washing machine	Cisewski	P. 10,971
25.8	Brooms	Southcott	P. 11,024
25.8	Millet or broom corn broom	Cochran	P. 11,060
25.8	Paint, &c., brushes	Abrams	P. 11,062
	Group 28.—Distillation and Filtration.		
28.1	Continuous filter presses	Arbuckle	P. 11,050
28.1	Suction filters for soldiers, &c.	M.-Hamilton	P. 11,147
28.2	Treating ores. (12.2; 14.4; 14.7)	Caldecott	9053
	Group 29.—Refrigeration.		
29.3	Water bag	Sartain	P. 10,994
29.3	Safes and butter coolers. (36.3)	Rostron	P. 11,092
29.7	Treating perishable products, &c. (96.8)	Roy	11,132
	Group 30.—Ploughing.		
30.2	Rope hauling. (59.1)	Trewhella	P. 11,051
30.3	Rotary cutter disc for ploughs	Wells	P. 11,099
30.5	Hill-side ploughs	Coleman	P. 11,113
30.7	Disc harrows	Little	8982
30.9	Stump-jump ploughs	Davies	9587
30.9	Spring draught for stump-jump implements	Shearer	P. 11,112

Class.	Title.	Name.	Number.
	Group 31.—Cultivation.		
31.1	Harrow attachment to seed drills. (31.2)	Dinning	9072
31.2	Harrow attachment to seed drills. (31.1)	Dinning	9072
31.5	Prickly pear destroyer	Amesbury	P. 11,109
	Group 32.—Harvesting.		
32.6	Removing grain from sheaves, &c.	Winstanley	10,953
32.7	Potato harvester and grader	Daniels	8734
32.7	Hay stack, &c., cover. (81.3)	Mullally	11,072
	Group 33.—Tropiculture.		
33.1	Clarifying sugar cane juices	Le Claire	10,293
33.1	Sugar cane trash cutter. (10.7)	Kent	11,063
33.5	Tobacco smoking pipes	Osborn	9011
	Group 34.—Cereals, Vegetables, Fruit.		
34.1	Peeling and slicing knives. (10.7)	Johnson	P. 11,022
34.2	Chaff cutter. (10.7)	Altmann	8884
34.7	Food combination. (35.3)	Sutton	P. 11,056
	Group 35.—Meat Food.		
35.3	Food combination. (34.7)	Sutton	P. 11,056
	Group 36.—Dairy Food.		
36.1	Milking appartatus	Benn	10,530
36.1	Pneumatic mouthpiece for teat cups	Gillies	P. 10,993
36.2	Cooling milk cans, &c.	Magnus	11,168
36.3	Safes and butter coolers. (29.3)	Rostron	P. 11,092
	Group 37.—Pastoral.		
37.1	Feeding calves	Draffin	8724
37.1	Manger feed appliance. (39.3)	Swinton	8901
37.1	Clock operated feeder for horses, &c.	Williams	P. 11,013
37.1	Feed bag for animals	Brown	P. 11,093
37.6	Sheep shearing machines	Taskis	8832
37.6	Testing moisture in wool. (21.5)	Richardson	8958
37.6	Sheep shearing machines	Silver	10,614
37.8	Extinguishing grass fires	Jones	P. 11,042
	Group 38.—Fowling; Fishing; Trapping.		
38.6	Catching rabbits	Maher	11,103
38.7	Spiral spring rabbit trap and setter	Wright	P. 11,076
38.9	Applying fumes to burrows to destroy rabbits, &c.	Grant	P. 10,968
38.9	Applying fumes to burrows to destroy rabbits, &c.	Grant	P. 10,969
	Group 39.—Harness; Animal Power.		
39.3	Horse shoe blanks. (71.3)	Fry	8529
39.3	Manger feed appliance. (37.1)	Swinton	8901
39.4	Preventing horses bolting. (39.7; 93.3)	Hobbs	8765
39.5	Cow covers	Ambury	10,029
39.6	Harness tugs	Bradford	P. 11,055
39.7	Preventing horses bolting. (39.4; 93.3)	Hobbs	8765
39.7	Safety adjustable winkers	McRae	P. 11,151

Class	Title.	Name.	Number.
	Group 40.—Textile Raw Materials.		
40.7	Spinning, doubling, &c., yarns. (60.5)	Constantine	11,088
	Group 41.—Weaving.		
41.5	Loom gearing for woven wire fence machine. (58.5; 81.8) ...	Mitchell	10,962
41.9	Waterproof, &c., material. (81.4; 88.4)	Bosch	P. 11,106
	Group 42.—Sewing.		
42.7	Sewing machines. (44.5)	Scott	P. 11,059
	Group 43.—Wearing Apparel.		
43.1	Trousers stretcher	Dredge	11,091
43.3	Shirts	Nelken	P. 10,978
43.6	Cuff protectors	Erhardt	10,974
43.6	Tie	Beebe	11,070
43.6	Rabbit skin gloves	Bound	P. 11,129
43.7	Safety guard for razors. (76.1)	Johnson	8840
43.7	Face lotion. (87.1)	Hemeter	P. 11,119
43.8	Ventilating hats	Linley	P. 10,996
43.8	Ladies' hat fastenings	Morris	P. 11,069
43.9	Razor strop attached to braces. (75.2)	Cornes	P. 11,053
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Method for lacing shoes round the ankle	Beauchamp	P. 10,985
44.3	Non-slipping attachment to boots. (53.1; 53.2)	Rodda	8625
44.3	Renewable boot soles and heels. (78.1)	Bennet	10,957
44.3	Boot and shoe heel	McBean	P. 11,014
44.5	Boot pulling-over machines	Stewart	8945
44.5	Abrading devices. (75.2)	Reed	9007
44.5	Lasting machines	Seely	9018
44.5	Channel flap layer	Hooper	9171
44.5	Staple forming and driving. (78.1)	Glass	9172
44.5	Sole buffing machines and pads. (75.2)	Leavitt	9173
44.5	Stitch impression finishing machines. (75.6)	Heys	9174
44.5	Boot assembling machines	Ashton	P. 11,057
44.5	Pulling over machines	Ashton	P. 11,058
44.5	Sewing machines. (42.7)	Scott	P. 11,059
44.5	Machine for operating on boot bottoms	Plant	11,138
44.7	Rabbit skin gaiters for children	Bound	P. 11,128
44.8	Ornamental fans, &c. (54.1)	MacIntosh	11,087
	Group 45.—Furniture.		
45.1	Sitting or reclining chair	Lundberg	P. 11,043
45.1	Chair grip and hat rest	McKeon	P. 11,107
45.2	Folding hammock support	Marryat	P. 11,020
45.2	Spring wire mattress. (46.1)	Holmes	11,097
45.7	Operating venetian blinds. (46.6; 62.5.) (Section 121) ...	Thompson	11,143
45.7	Curtain hanger. (46.6)	Burrows	P. 11,160
	Group 46.—Upholstery.		
46.1	Spring wire mattress. (45.2)	Holmes	11,097
46.5	Wall paper trimmer, cutter, &c. (48.3)	Gray	P. 11,083
46.6	Curtain rods. (78.8.) (Section 121)	Johnson	11,004
46.6	Window blind bracket. (78.9.) Section 121)	Thompson	11,033
46.6	Window shade machines. (56.4)	Engberg	11,135
46.6	Operating venetian blinds. (45.7; 62.5.) (Section 121)	Thompson	11,143
46.6	Curtain hanger. (45.7)	Burrows	P. 11,160

Class.	Title.	Name.	Number.
	Group 47.—Leather and Plastics.		
47.2	Tanning leather	Kron	P. 10,988
47.5	Rubber	Stocks	11,015
47.5	India-rubber substitutes. (09.2)	Grognot	11,123
	Group 48.—Paper; Bookbinding.		
48.3	Sheet piling devices. (50.8)	Sheldon	11,073
48.3	Wall paper trimmer, cutter, &c. (46.5)	Gray	P. 11,083
48.8	Two stud and base office file	Hewitt	P. 11,049
	Group 50.—Typographic Printing.		
50.2	Type casting machines	Thompson	11,133
50.4	Typewriter sight shield and copy shelf. (01.8)	Christie	10,460
50.5	Monotype mould blades for casting low spaces	Hall	P. 11,046
50.5	Quadding in typographical composing machines	Lino. Mach. Co.	11,118
50.8	Printing machines. (61.5)	North	10,973
50.8	Sheet piling devices. (48.3)	Sheldon	11,073
50.8	Inking devices	Sheldon	11,074
	Group 52.—Photography.		
52.1	Cinematographic glass plates. (53.4; 60.3)	Muller	11,116
52.4	Colour photography	Schwarz	P. 11,098
	Group 53.—Amusements.		
53.1	Non-slipping attachment to boots. (44.3; 53.2)	Rodda	8625
53.2	Non-slipping attachment to boots. (44.3; 53.1)	Rodda	8625
53.3	Animal race starting machines	Ferry	P. 11,150
53.4	Cinematographic glass plates. (52.1; 60.3)	Muller	11,116
53.6	Advertising. (54.1)	Bert	8999
53.6	Box for snooker balls	Barnett	P. 10,982
53.8	Playing card holder	Sigmont	10,397
	Group 54.—Commerce.		
54.1	Advertising. (53.6)	Bert	8999
54.1	Ornamental fans, &c. (44.8)	MacIntosh	11,087
54.1	Advertising perpetual almanac	Nelson	P. 11,120
54.2	Railway ticket issuing cabinet	Watts	10,881
54.3	Luggage or goods label	Goode	P. 11,068
54.7	Holder for price tickets, show cards, &c.	Wilson	P. 10,972
	Group 55.—Money.		
55.2	Attachment to boxes for holding money	Quinn	P. 10,995
55.2	Cash register	Gilruth	P. 11,016
	Group 56.—Counting, Measuring, Weighing.		
56.2	Telephone message counter, &c. (05.6)	Fosbery	P. 10,977
50.2	Passenger fare indicators. (56.6)	Richert	10,980
56.4	Window shade machines. (46.6)	Engberg	11,135
50.6	Passenger fare indicators. (56.2)	Richert	10,980
56.8	Scales without weights or springs	Dayton	P. 11,096
	Group 57.—Packing, Compressing, Bottling.		
57.5	Lids for earthenware containers. (24.7)	Anglim	8947
57.5	Closures for vessels	Waters	11,117
57.6	Non-refillable bottle	Tyson	9056
57.8	Bucket handle and grip	Batt	P. 11,025

Class.	Title.	Name.	Number.
	Group 58.—Chains, Ropes, Wire.		
58.3	Wire strainer	Browne	11,159
58.5	Loom gearing for woven wire fence machine. (41.5; 81.8) ...	Mitchell	10,962
58.5	Wire netting machines	Innis	P. 11,165
58.5	Wire netting	Innis	P. 11,166
58.7	Soldered cord or twisted chains	Bruckmann	10,990
	Group 59.—Conveying and Lifting.		
59.1	Charging furnaces. (16.40; 71.1)	Prosser	9226
59.1	Rope hauling. (30.2)	Trewhella	P. 11,051
59.1	Double pinion toothed gear train	Trewhella	P. 11,080
59.1	Waggon jack	Anderson	P. 11,100
59.2	Safety appliances for lifts, &c.	Warner	P. 10,967
59.2	Lift-well life saver	Saunderson	P. 11,047
59.2	Closing doors and lift well openings	Leech	11,095
59.8	Ore-pass for mining excavations. (85.1)	Diggles	11,104
	Group 60.—Mechanism; Lubrication.		
60.2	Variable speed and reversible gear for shafts. (62.4)	Innes	9244
60.3	Reciprocating piston engine, motion converting. (64.8)	French	P. 10,979
60.3	Turning mechanism for bridges. (81.7)	d'Or	10,989
60.3	Cinematographic glass plates. (52.1; 53.4)	Muller	11,116
60.3	Water motors and pumps. (67.5)	Courtright	11,144
60.5	Spinning, doubling, &c., yarns. (40.7)	Constantine	11,088
60.7	Sides of lathes, planes, &c. (72.3)	Hutchinson	P. 11,158
60.8	Roller bearings	Alden	11,139
	Group 61.—Governors.		
61.2	Road vehicle. (94.7)	Little	P. 11,136
61.5	Printing machines. (50.8)	North	10,973
61.7	Storing explosive liquids. (20.6; 22.4; 74.7; 74.8)	Heer	11,000
	Group 62.—Power Storage.		
62.4	Variable speed and reversible gear for shafts. (60.2)	Innes	9244
62.5	Operating venetian blinds. (45.7; 46.6.) (Section 121)... ...	Thompson	11,143
62.8	Rock drills. (67.1; 85.6; 85.9.) (Section 121)	Hutchings	10,975
	Group 63.—Steam Power.		
63.4	Heating cooking stoves. (24.2)	Jost	11,084
63.6	Generating burnt gases under pressure. (16.8; 66.5.) (Section 121)	Molas	11,126
63.8	Steam condensing apparatus	White	11,164
	Group 64.—Cranked Engines.		
64.8	Reciprocating piston engine, motion converting. (60.3)	French	P. 10,979
	Group 65.—Reciprocating Motors.		
65.9	Rotary valve and chest for rock drills	Cornell	P. 10,981
	Group 66.—Gas and Oil Engines.		
66.2	Oil engines	Coulson	11,017
66.2	Internal combustion rotary engine. (00.2; 67.7)	Lee	11,019
66.5	Carbureter air valves. (66.7; 95.3)	Innes	10,956
66.5	Exhaust for explosion engines. (92.2)	Truscott	11,075
66.5	Generating burnt gases under pressure. (16.8; 63.6.) (Section 121)	Molas	11,126
66.7	Carbureter air valves. (66.5; 95.3)	Innes	10,956

Class.	Title.	Name.	Number.
	Group 67.—Turbines; Rotary Motors.		
67.1	Rock drills. (62.8; 85.6; 85.9.) (Section 121)	Hutchings	10,975
67.1	Reducing smoke from furnaces. (17.4; 17.7)	Stobbs	11,044
67.1	Turbine	Friend	P. 11,052
67.5	Water motors and pumps. (60.3)	Courtright	11,144
67.7	Internal combustion rotary engine. (00.2; 66.2)	Lee	11,019
	Group 68.—Pumps for Liquids.		
68.3	Inspirator and respirator for restoring animation. (87.2) ...	Gray	8842
68.3	Pump for filling lamps. (22.4)	Brandt	8876
68.9	Sprayer for paint, rabbit poison, &c.	Tyree	P. 11,161
	Group 69.—Blowers and Compressors.		
69.4	Air compressing pumps, &c.	Turner	11,028
	Group 71.—Forging, Rolling, &c.		
71.1	Charging furnaces. (16.40; 59.1)	Prosser	9226
71.3	Horse shoe blanks. (39.3)	Fry	8529
	Group 72.—Turning; Milling; Fitting.		
72.3	Sides of lathes, planes, &c. (60.7)	Hutchinson	P. 11,158
	Group 73.—Sheet Metal Work.		
73.6	Homogeneously uniting metals. (03.6; 06.8)	Waters	11,085
73.8	Protecting compo. piping, &c. (74.1)	Faul	8920
	Group 74.—Pipes and Fittings.		
74.1	Protecting compo. piping, &c. (73.8)	Faul	8920
74.7	Storing explosive liquids. (20.6; 22.4; 61.7; 74.8)	Heer	11,000
74.7	Valve mechanism. (86.2)	Barrett	11,140
74.8	Storing explosive liquids. (20.6; 22.4; 61.7; 74.7)	Heer	11,000
74.8	Carbureted air, &c. (21.4)	Officer	11,111
	Group 75.—Abrading and Polishing.		
75.1	Metal polish	Moyle	P. 10,983
75.2	Abrading devices. (44.5)	Reed	9007
75.2	Sole buffing machines and pads. (44.5)	Leavitt	9173
75.2	Razor strop attached to braces. (43.9)	Cornes	P. 11,053
75.2	Sharpening knives of chaff cutters	Mintern	P. 11,171
75.6	Stitch impression finishing machines. (44.5)	Heys	9174
75.7	Cutting shaped sections from plate glass	Chapman	11,079
	Group 76.—Cutlery; Plate.		
76.1	Safety guard for razors. (43.7)	Johnson	8840
76.8	Egg beater	Mitchell	9134
76.8	Colander	McCoy	11,067
76.8	Whisk for eggs, &c.	Charlwood	P. 11,167
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Window catch. (78.7)	Mangnall	P. 11,141
77.3	Sash fastener. (78.7)	Booth	11,038
77.3	Locks for safes. (77.9)	Simpson	11,101
77.9	Locks for safes. (77.3)	Simpson	11,101

Class.	Title.	Name.	Number.
	Group 78.—Structural Hardware.		
78.1	Staples	Callow	9133
78.1	Staple forming and driving. (44.5)	Glass	9172
78.1	Renewable boot soles and heels. (44.3)	Bennet	10,957
78.7	Window sash fastener	Palmer	P. 11,011
78.7	Sash fastener. (77.3)	Booth	11,038
78.7	Window catch. (77.1)	Mangnall	P. 11,140
78.7	Operating hinged fanlights, &c.	Pilcher	P. 11,146
78.8	Curtain rods. (46.6.) (Section 121)	Johnson	11,004
78.8	Door holder	Sanderson	P. 11,012
78.9	Scaffolding brackets. (81.3)	Hale	9026
78.9	Window blind bracket. (46.6.) (Section 121)	Thompson	11,033
	Group 79.—Paints, Adhesives, &c.		
79.6	Enamelling furnace and oven	Dow	P. 11,130
	Group 80.—Carpentry.		
80.3	Wedges for securing handles of axes, &c.	Wyatt	8637
80.3	Floor jack or cramp	Houlden	10,680
80.3	Templet for marking scribes and returns	Curtin	P. 10,976
80.3	Floor cramp	Parker	P. 11,008
80.7	Sanded slip and mountboard	Sayers	P. 11,032
	Group 81.—Buildings, Streets, Fencing.		
81.1	Moulding box for building sections	Clark	P. 11,035
81.1	Mould for blocks and bricks. (18.5)	Tyree	P. 11,162
81.2	Reinforced concrete fencing post. (81.8)	Chambers	8858
81.2	Concrete walls	Baker	P. 11,002
81.2	Building sections for walls, &c.	Clark	P. 11,034
81.3	Scaffolding brackets. (78.9)	Hale	9026
81.3	Insect and waterproof tent, &c.	Millane	P. 10,984
81.3	Hay stack, &c., cover. (32.7)	Mullally	11,072
81.4	Waterproof, &c., material. (41.9; 88.4)	Bosch	P. 11,106
81.5	Ventilating sashes for windows	Palmer	10,687
81.6	Hot water supply	Preston	11,077
81.6	Water heater. (24.5)	Allan	11,156
81.7	Turning mechanism for bridges. (60.3)	d'Or	10,989
81.8	Reinforced concrete fencing post. (81.2)	Chambers	8858
81.8	Droppers	Burstall	8928
81.8	Loom gearing for woven wire fence machine. (41.5; 58.5)	Mitchell	10,962
81.8	Wire fence dropper and picket	Brewster	P. 10,991
81.8	Wire strainer	Annett	P. 11,108
81.8	Fence dropper	Edgar	P. 11,137
	Group 84.—Excavation and Dredging.		
84.3	Earth scoop	McDonald	P. 11,172
84.8	Sluicing in mining dredges	Sands	P. 11,163
	Group 85.—Mining.		
85.1.	Ore-pass for mining excavations. (59.8)	Diggles	11,104
85.6	Rock drills. (62.8; 67.1; 85.9.) (Section 121)	Hutchings	10,975
85.7	Post-hole digger	Nagel	P. 10,970
85.7	Sinking post-holes	Haselwood	P. 11,170
85.9	Rock drills. (62.8; 67.1; 85.6.) (Section 121)	Hutchings	10,975

Class	Title.	Name.	Number.
	Group 86.—Sanitation.		
86.2	Water closets	Stevenson	11,122
86.2	Valve mechanism. (74.7)	Barrett	11,140
86.3	Ventilating earth closets	Symons	P. 11,021
	Group 87.—Medicine.		
87.1	Face lotion. (43.7)	Hemeter	P. 11,119
87.2	Inspirator and respirator for restoring animation. (68.3) ...	Gray	8842
87.4	Trusses, &c.	Offord	11,001
	Group 88.—Salvage, Accidents.		
88.4	Waterproof, &c., material. (41.9; 81.4)	Bosch	P. 11,106
	Group 89.—War.		
89.3	Bolt action rifles	Driver	11,082
89.5	Rifle back-sight	Ekins	P. 11,003
89.5	Rifle sight and windgauge	Mues	P. 11,094
89.8	Explosives	Bawden	11,045
89.8	Explosive gelatin cartridge rope. (10.8)	Auchu	11,078
89.9	Projectiles	McDonald	P. 11,029
	Group 90.—Wind and Flying Machines.		
90.9	Windmill gearing	Price	P. 11,048
90.9	Suspended particles from gases, &c. (02.6; 17.4)	Cottrell	11,131
	Group 92.—Marine Propulsion.		
92.2	Exhaust for explosion engines. (66.5)	Truscott	11,075
	Group 93.—Road Vehicles.		
93.2	Convertible seat and parcel carrier for go-carts, &c.	Hall	P. 10,959
93.2	Seat and foot rest for sulkies, &c.	Yabsley	11,155
93.3	Preventing horses bolting. (39.4; 39.7)	Hobbs	8765
93.3	Reinforcing road vehicle bodies	Winters	P. 11,089
93.3	Sulky springs	Yabsley	11,154
93.5	Vehicle wheels. (97.83)	Baker	P. 11,105
	Group 94.—Cycles.		
94.1	Motor cycles, &c. (94.3)	Wirth	P. 11,027
94.3	Rim bicycle roller brake	Peterson	9282
94.3	Hand-grips for bicycle handles	Williams	P. 10,961
94.3	Motor cycles, &c. (94.1)	Wirth	P. 11,027
94.3	Pneumatic saddle pillar for bicycles	Dietz	P. 11,152
94.5	Crank driven mechanism for cycles	Austin	P. 11,121
94.7	Road vehicle. (61.2)	Little	P. 11,136
94.7	Driving gear for bicycles	Burckhardt	P. 11,149
94.9	Pedal footgrip	Friend	11,115
	Group 95.—Locomobiles.		
95.3	Carbureter air valves. (66.5; 66.7)	Innes	10,956
95.9	Change gear for motor cars	Williams	P. 11,018

Class	Title.	Name.	Number.
	Group 96.—Rolling Stock.		
96.3	Railway vehicle draw bars	Baker	8897
96.4	Minimizing wear on wheels and rails	Monk	P. 11,142
96.8	Treating perishable products, &c. (29.7)	Roy	11,132
	Group 97.—Wheels.		
97.6	Cycle, &c., wheels	Murray	10,986
97.83	Vehicle wheels. (93.5)	Baker	P. 11,105
97.83	Detachable rim for pneumatic tyres	Millane	P. 11,148
97.85	Tyre inflator	Whitfield	9102
97.89	Puncture-proof tyres and casements	McBride	P. 11,127
	Group 99.—Signalling.		
99.1	Chain, wire and cable adjuster	Wilson	P. 11,054

Printed and Published for the Department of Patents, Commonwealth of Australia,
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Vol. 6.—Applications and Proceedings, 1907

Notice to Librarians.

This Volume was completed on the 10th March, 1908, by the issue of the Title and Contents sheets, &c., with directions for the collation and binding of the Volume and Supplements.

The Government Printer, Melbourne, will bind single Volumes, returned in good order, for 5s. in half-green roan, gilt letters and seal, or 3s. full green cloth, gilt; or will supply similar covers for 2s. 3d. in roan, or 1s. 3d. in cloth, for local binding.

Librarians and others receiving files of the *Journal* for public use are requested to acknowledge the receipt thereof annually, and to apply for fresh copies of any missing or defective numbers before binding.

Directions for Collating when Binding.

The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding. Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion; *Alphabetical Subject Matter Indexes* are also issued for each month at later dates. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume; they cannot be completed simultaneously with the last weekly issue for the year, and would unduly increase its bulk. If it is desired to preserve them, they are continuously paged in two sets, and may be separately bound in monthly order.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

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or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
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5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
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26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
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Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 8.] 1908. [No. 14.

Tuesday, 14th April.

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THE

Australian Official Journal of Patents.



Notices.
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The following publications are on sale at the Government Printing Office, Melbourne:

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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto, Collins-street, Melbourne.

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NOTICE IS HEREBY GIVEN that THE CROWN CORK COMPANY LIMITED, the grantees of Australian Patent No. 946, dated 29th June, 1904, for **"Improvements in apparatus for filling and closing bottles with aerated or other liquids"** are prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

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NOTICE IS HEREBY GIVEN that the owners of the following Australian Patents, viz.:—

No. 4004, dated 29th August, 1905, "Improvements in Cigarette Machines," and
No. 4713, dated 30th November, 1905, "Improvements in Machines for making boxes from card or paper and filling them with cigarettes or other articles,"

issued to EDWARD THOMAS POLLARD and EMIL LEO BEHRMANN, are prepared to satisfy all reasonable requirements of the public respecting the said Invention.

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The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS,** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & ALLEN,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

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VOL. 8.] 14TH APRIL, 1908. [No. 14.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

Public Holidays.

The Patent Office, Melbourne, will be closed on the 17th, 18th, 20th, and 21st April, 1908, Easter Holidays; also 27th April, 1908, Eight Hours' Day. *Journal* No. 15 will be published on the 28th April, 1908.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 2nd to 8th April, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 2nd April.

11,186. *Prov.* Henry Albert Beswicke, Godfrey-street, Melbourne, Vic., and Richard John Price, 36 Auburn-road, Hawthorn, Vic., manufacturers,

"Letter franking and posting machine."

11,187. *Prov.* William Sim, Underwood, Invercargill, Southland, N.Z., engineer,

"Improvements in milking machines."

11,188. *Comp.* John Jones, bricklayer, and Edward Pogson, brickmaker, both of Lithgow, N.S.W.,

"An improved firebrick and method of making same."

11,189. *Prov.* Frederick Charles Bird, Lynchford, Tas., dairy farmer,

"Improvements in vessels for delivering milk and other fluids in measured quantities."

11,190. *Prov.* Goodya Paulo, High-street, Shepparton, Vic., draper and dealer.

"Improvements in or connected with horse and cattle rugs."

11,191. *Comp.* Lawrence William Grayson, 414 Collins-street, Melbourne, Vic., engineer (*agent of* David Livingstone Schultz, *act. inv.*, 94 Market-street, Manchester, Lancashire, Eng., lubricating specialist),

"An improved method of and means for lubricating shafting and like rotating pieces of machinery."

11,192. *Prov.* Frederick John Jones, 334 Edward-street, East Brunswick, Vic., bricklayer,

"Improved means for smoke prevention especially applicable to pottery kilns."

Friday, 3rd April.

11,193. *Prov.* John Taylor, Lang-road, Ivanhoe, Vic., chemist and manufacturer,

"A mechanical device operated by means of a windmill for displaying advertisements and the like."

11,194. *Prov.* George Dow, 5 Avoca-street, Yarraville, Vic., miner,

"An improved system of mine ventilation."

11,195. *Prov.* Frederick Walter Munt, 412 Collins-street, Melbourne, Vic., teacher,

"Improvements in stamp affixing machines, useful for analogous purposes."

11,196. *Comp.* Peter Arthur Walsh, 130 Marshall-street, Johannesburg, Transvaal, S. Af., engineer and contractor,

"Improvements in linings for tube mills and the like."

Saturday, 4th April.

11,197. *Prov.* Edward Goderich Greeves, St. Helena, Lismore, N.S.W., farmer,

"An improved process for the extraction of gold."

11,198. *Prov.* Benjamin Frederick Henry Dawson, 43 York-street, Fitzroy, Vic., carpenter,

"An improved method of and apparatus for the generation of acetylene gas for lamp lighting purposes."

11,199. *Prov.* Enoch Jones, Daylesford, Vic., inventor,

"An adjustable spanner."

Applications received, 2nd to 8th April—*continued.*

Monday, 6th April.

11,200. *Prov.* George William Sewell, 22 Halifax-street, Adelaide, S.A., pianoforte manufacturer,

"Improvements in machines for spinning strings of pianos and other musical instruments."

11,201. *Comp.* Robert Henry Fenwick, Waymouth-place, Adelaide, S.A., mill engineer,

"Improvements in machines for dressing and cleaning confectionery."

11,202. *Prov.* George Chivers, 16 Julia-street, Valley, Brisbane, Qld., carpenter,

"Apparatus for increasing the flow of water in low pressure bores."

11,203. *Prov.* Thomas Brooks, Racecourse Hotel, Plattsburg, N.S.W., assayer,

"Extraction of gold from argillaceous matter, viz., clays, &c."

11,204. *Prov.* Josiah Eustace Dodd, Gawler-place, Adelaide, S.A., organ and pianoforte manufacturer,

"Improvements in apparatus for covering or felting the hammers of pianofortes."

11,205. *Comp.* Frederick Samuel Greer, 7 Market-street, Sydney, N.S.W., engineer,

"Improvements in the production of visible gas specially useful for testing earth pipes and rabbit burrows."

11,206. *Comp.* Maurice Brukner, Liszt-Ferenctér, 6, Budapest, Hungary, manufacturer,

"Improved reinforced concrete railway sleeper."

11,207. *Prov.* Alfred Charles Horsley, 480 Bourke-street, Melbourne, Vic., legal manager of the Howard Submarine Boat and Torpedo Inventions Company (No Liability), (*communicatee of* Alfred Elgar, *act. inv.*, 20 and 21 Harp-lane, Gt. Tower-street, London, Eng., naval architect),

"An improved buoyant torpedo."

11,208. *Prov.* Thomas Daglish, 55 Lincoln-street, North Richmond, Vic., engineer, and James Murdoch, 11 Albert-street, East Melbourne, Vic., carpenter,

"Door attachment for prevention of wind, dust, rain, water or the like from penetrating under bottoms of doors."

11,209. *Comp.* Dr. Willem Dignus Gratama, Delftweg C. 94, Rijswijk, Holland, director,

"Improvements in or relating to vulcanisers."

11,210. *Comp.* Friedrich Wilhelm Graf Pfeil, Deutsche Krawarn, Silesia, Germany, and Victor Melcher, 9 Mehlitzstrasse, Wilmersdorf, near Berlin, Germany,

"Improvements in and relating to screw thread cutters."

11,211. *Comp.* George Garibaldi Turri, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Electric Boat Company, Hanover Bank Building, Nassau and Pine streets, New York, U.S.A., manufacturers, *assignee of* Cleland Davis, *act. inv.*, Washington, Columbia, U.S.A.),

"Improvements in and relating to a gun-carrying torpedo."

11,212. *Comp.* Edward Halford Strange, research chemist, and Charles Albert Pim, chemical engineer, both of 7 Staple Inn, London, Eng.,

"Improvements in, and apparatus for, the manufacture of thin sheets, or foil, or strips, or ribbons, of zinc, lead, or other metal, or alloy."

11,213. *Comp.* Eugène Charmat, 18 Rue de Mogador, Paris, France, engineer,

Application under Sec. 121.

[Date applied for 17th April, 1907, being date of Application in France, No. 379,519/07.]

"Process for decanting sparkling wines and other fermented drinks."

11,214. *Comp.* Fiat-San Giorgio Ltd., Spezia, Italy, ship builders (*assignee of* Ing. Cesare Laurenti, *act. inv.*, technical director of the above company),

"Apparatus for assuring a horizontal course of a submarine or submersible boat."

11,215. *Comp.* Fiat-San Giorgio Ltd., Spezia, Italy, ship builders (*assignee of* Ing. Cesare Laurenti, *act. inv.*, technical director of the above company),

"Improvement in the construction of submersible or submarine boats."

Applications received, 2nd to 8th April—*continued.*

11,216. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Electric Railway Improvement Company, Cleveland, Ohio, U.S.A., manufacturers, *assignee of the act. inv.*),

"An improved process of bonding rails."

11,217. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Electric Railway Improvement Company, Cleveland, Ohio, U.S.A., manufacturers, *assignee of the act. inv.*),

"Improvements in apparatus for bonding rails."

11,218. *Comp.* William Herbert Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Electric Railway Improvement Company, Cleveland, Ohio, U.S.A., manufacturers, *assignee of the act. inv.*),

"Improvements in electrodes for electric welding soldering or brazing."

11,219. *Comp.* Edward Needham Waters, 414-418 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* The Printing Machinery Company Limited, 188 Fleet-street, London, Eng., *assignee of* Henry Frederick Bechman, *act. inv.*, Battle Creek, Calhoun, Michigan, U.S.A.),

"Improvements in web printing machines."

11,220. *Prov.* Jeremiah Collins, 125 Young-street, Fitzroy, Vic., fruiterer,

"Improved means for strengthening Vienna and other chairs."

Tuesday, 7th April.

11,221. *Comp.* Edward Brice Killen, 52 Queen Victoria-street, London, Eng., engineer,

"Improvements in or relating to rubber treads or tyres for wheels."

11,222. *Prov.* George William Walker, 27 Grove-road, Hawthorn, Vic., electrician,

"An improved combination for use in roof or like coverings, specially applicable to air conduits for ventilation purposes."

11,223. *Prov.* Arthur Porteous, corner of Skipton and Darling-streets, Ballarat, Vic., horse breaker,

"Safety stirrup iron."

11,224. *Prov.* George Mills, 95 Hope-street, South Yarra, Vic., engineering apprentice (*assignee of* Frederick John Corbett, *act. inv.*),

"An improved process and apparatus for separating and concentrating copper sulphide and other suitable ores."

11,225. *Prov.* Martin Samuel Noack, Freeling, S.A., manufacturer,

"Improved raising and lowering device for ploughs and the like agricultural implements."

11,226. *Comp.* John Dempsey, 6 St. Paul's-terrace, Cavendish-square, Belfast, Ireland, clerk,

"A machine for filling breadstuff into or on an oven."

11,227. *Prov.* John Joseph Reilly, 448 Lygon-street, Carlton, Vic., insurance agent,

"Reinforced compressed block walling and barbed or other wire fencing being fire, rabbit and other vermin proof."

11,228. *Prov.* John Wilbur Tierney, "Ashtree," Beulah Hill, Surrey, Eng., and Hereward Irenius Brackenbury, Benwell Lodge, Newcastle-on-Tyne, Northumberland, Eng., engineers,

"Improvements in or relating to pneumatic hand hammers and similar tools."

Wednesday, 8th April.

11,229. *Prov.* Herbert Higson and Harold Turner Higson, both of 129-131 Flinders-lane, Melbourne, Vic., warehousemen,

"An improved milk bucket."

11,230. *Prov.* Benjamin Stanley Nicholls and John Herbert Nicholls, trading as Nicholls Bros., Auckland, N.Z., ironfounders,

"Improvements in cooking ranges."

11,231. *Prov.* Walter Baxendale Giesen, Feilding, N.Z., farmer, and Edmund Thomas Ryan, Wellington, N.Z., vulcanizer,

"An improved cover for motor and other pneumatic tyres."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

10,729. Brunt, R. J., Burns, J., & Sharp, P.V.
10,791. Tyree, W.
10,959. Hall, C. J.
10,963. Crosse, A. F.
10,964. Crosse, A. F.
10,965. Rafferty, M. & J.
10,967. Warner, T., & Kannuluik, J.
10,968. Grant, J. H.
10,969. Grant, J. H.
10,972. Wilson, W. R.
10,977. Fosbery, L. A.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

8910. August Bernhard Grund, Franklin Harbour, S.A., farmer,

"An improved lifting device for ploughs and other agricultural implements." 6th Apr., 1908.

8911. Herbert Dennis, Morgan, S.A., machinist,

"An improved silt scoop." 3rd Apr., 1908.

9104. John Kimberley, Horsham, Vic., stock salesman, and Oscar Alfred Lindroth, Dooen, Vic., engineer,

"An improved sheep counting machine." 2nd Apr., 1908.

9123. William John Storey, *act. inv.*, 552 City-road, South Melbourne, Vic., engineer; Gilbert Storey, *act. inv.*, 102 Merton-street, Albert Park, Vic., boilermaker; Gregor McGregor, *assignee*, Parliament House, Melbourne, Vic., senator; and William Guy Higgs, *assignee*, 200 Clarendon-street, East Melbourne, Vic., journalist,

"A new or improved smoke consumer, smoke preventer and fuel economiser." 3rd Apr., 1908.

9410. John Prolongeau, Cape Clear, Vic., chimney sweep,

"An improved fire-grate." 3rd Apr., 1908.

9615. Henry Thomas Durant, Bulawayo, Rhodesia, S.Af., engineer,

"Improvements in and relating to the separation of solids from liquids." 2nd Apr., 1908.

10,233. Richard Austen Rogers, Station-avenue, Sandown, Isle of Wight, Eng., engineer, and Frank Cantelo, 81 High-street, Sandown, Isle of Wight, Eng., ironmonger,

"Improved windage backsight for rifles." 6th Apr., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8857. Lloyd, E., & Burmester, A.
8859. Wolff, F. O., & Kearns, J.
8861. Mews, T. W.
8865. Morgan, W. J. P.
8866. Latter, A. T., & Davy, B.
8867. Philpots, G. E. P.
8868. Wallace, H. E., & Clark, E.
8873. Lewis, H.
8874. Goodfellow, G.
8879. Moloney, M.
8881. Everett, F. W.
8885. Montgomerie, D. M.
8886. Lemay, G. F.
8888. Weickhardt, C. C.
8889. Getty, M.
8892. Dannhardt, F. H.
8894. Kerr, H. H., & Knight, F. J. G.
8895. Pullar, A. G. & W. A.
8899. Hinchliffe, R.

Assignment Registered.

1907.

7729. "Wave motors."

Assignment of the whole *by* Edward Needham Waters *to*

The Wave Power and Electric Company. Dated 31st Oct., 1907. Registered 3rd Apr., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8122. McDonell, A. A.
8306.*New Zealand Loan & Mercantile Agency Co. Ld. (Bristow)
8507. Bevenot, P., & de Neveu, E.
8544. Pittman, C. J., & Ireland, F.
8576. Anderson, A. (Okazaki)
8761. Sutton, E.
8929. Anderson, D.
8934. Jost, C.
9027. Ingersoll-Rand Co. (Haeseler)
9056. Tyson, I.
9133. Callow, A. E.
9244. Innes, G. P., & Allen, T. C.
9446. Linotype & Mach. Ld. (Parker)
9708.*Hamilton, R.
9900. Stephens, W. C.
10,025. Rotary Screwing Die Synd. Ld. (Moy & Bastle)
10,031. Lamson Pneu. Tube Co. Ld. (Burl)
10,267. Bulkeley, J. E., & Heyward, C. W.
10,488. Bills, W.
10,505. Austral Mfg. Co. Pty. Ld. (Gibson & Thomas)
10,506. Austral Mfg. Co. Pty. Ld. (Thomas)
10,507. Austral Mfg. Co. Pty. Ld. (Thomas)

1908.

10,583. Goddard, H. A. (Ffrench)
10,606. Newcomb, S. W.
10,637. Holloway, J. E.
10,645. Matter, P. J.
10,753. Davidson, J. E., & Page, W. F.
10,772. Shuman, F.
10,782. Hayes, F. W.
10,806. Humphrey, H. A.
10,824. Gaut, J., & Harrington & Co. Ld.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8306. New Zealand Loan and Mercantile Agency Company Limited, Featherston-street, Wellington, N.Z., commission agents and mercantile brokers (Charles Bristow, *act. inv.*, Marton, Wellington, N.Z., mechanical engineer),

Application under Sec. 7.

(N.S.W., 10,111; Vic., 17,083; Qld., 5454; S.A., 6466/4802; Tas., 2726).

"Improvements in seed sowing apparatus."

9708. Robert Hamilton, "Adelaide Vale," Fosterville, *viâ* Goornong, Vic., station manager,

"An improved appliance for severing the tails of lambs and for similar purposes."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 04.—Electric Apparatus.

04.3	Axle-driven centrifugal change-over switch. (96.8; 98.2; 99.4; 99.6)	Matter	10,645

Group 06.—Electric Lamps.

06.7	Brand letters outlined by bare resistance wire, or heated by resistance packed in kryptol, &c. (37.4)	Ffrench	10,583

Group 09.—Organic Chemistry.

09.3	Cultivation of nitriferous fungus and fungus-malt on rice-bran, saw-dust, &c., concentration of nutrient product (31.7; 34.2)	Okazaki	8576

Group 17.—Chimneys, Fumes, Smoke.

17.5	Hot air chambers for spray evaporation, tubular heaters. (33.1; 36.4; 74.9)	Bevenot	C.a.P. 8507
17.8	Rectangular cage of loose bars surrounds the blast pipes	Anderson	C.a.P. 8929

Group 21.—Gas for Light and Heat.

21.81	Rectangular tank with stepped carbide trays; safety vents, &c. ...	Bulkeley	C.a.P. 10,267

Group 31.—Cultivation.

31.1	Vertical seed feed rollers; pockets with ejector scrapers for single seeds; grooves for continuous stream of fine seed, &c. (Section 7, *see* Vic. 17,083/*00*)	Bristow	8306
31.7	Cultivation of nitriferous fungus and fungus-malt on rice-bran, saw-dust, &c.; concentration of nutrient product. (09.3; 34.2)	Okazaki	8576

Group 33.—Tropiculture.

33.1	Evaporating milk, sugar juice, &c., by fine upward spraying in hot air chamber. (17.5; 36.4; 74.9)	Bevenot	C.a.P. 8507

Group 34.—Cereals, Vegetables, Fruit.

34.2	Nutrient nitriferous product for cattle food, &c. (09.3; 31.7) ...	Okazaki	8576

Group 36.—Dairy Food.

36.4	Evaporating milk, sugar juice, &c., by fine upward spraying in hot air chamber. (17.5; 33.1; 74.9)	Bevenot	C.a.P. 8507

Group 37.—Pastoral.

37.1	Lamb tailing cauterizing chisel; detachable handle and catch. (87.4)	Hamilton	9708
37.4	Electric brand; resistance heated. (06.7)	Ffrench	10,583

Complete Specifications Accepted—*continued.*

Group 39.—Harness; Animal Power.

39.1	Single stroke pedal gearing for pneumatic-despatch pump. (59.8; 61.7; 69.4.) (Section 121)	Burl	10,031

Group 44.—Boots and Shoes; Umbrellas.

44.3	Wood soles and heels in crossed layers; flanged metal tread retainers	Davidson	10,753
44.3	Outer sole pad; inflating valve and rim wire attachment. (97.80)	Hayes	10,782

Group 45.—Furniture.

45.2	Conical sockets surrounding the post tubes of bedsteads. (70.2) ...	Gibson	10,505
45.2	Chill moulds for bedstead sockets, *as* 10,505/07. (70.2) ...	Thomas	10,506
45.2	Cot-bedstead; latch for vertically sliding side guards	Thomas	10,507

Group 48.—Paper; Bookbinding.

48.3	Side-lay grips, *as* 3246/05; positive cam for slow depression. (Section 85.) (50.8; 51.3)	Lock	9446

Group 50.—Typographic Printing.

50.8	Side-lay grips in colour printing. (Section 85, *see* 3246/05). (48.3; 51.3)	Lock	9446

Group 51.—Lithography, &c.

51.3	Side-lay grips in colour printing. (Section 85, *see* 3246/05.) (48.3; 50.8)	Lock	9446

Group 52.—Photography.

52.1	Cameras for focussing on opaque white screens, 6 designs ...	Gaut	10,824

Group 53.—Amusements.

53.1	Athlete's ankle strap and guard. (87.4)	McDonell	C.a.P. 8122

Group 57.—Packing, Compressing, Bottling.

57.6	Stopper locked by spring detent; breaking groove around bottle neck	Tyson	C.a.P. 9056

Group 58.—Chains, Ropes, Wire.

58.5	Coiler or giraffe for wire weaving; fixed spiral of soft guide wire with hard steel central tapered rotating spindle of increasing diameter. (Section 7, *see* Vic. 18,549/01)	Bills	10,488

Group 59.—Conveying and Lifting.

59.8	Reversible pedal pump for despatch in both directions. (39.1; 61.7; 69.4.) (Section 121)	Burl	10,031

Group 60.—Mechanism; Lubrication.

60.2	Train-arm reversing transmission; reducing speed by the slip of enclosed pump-brakes. (62.4; 95.9)	Innes	C.a.P. 9244

Group 61.—Governors.

61.3	Pawl and ratchet reefing-winch, disengaged, &c., by water level float. (90.7)	Sutton	C.a.P. 8761
61.7	Compound suction or delivery valve, with slide shutters for reversing air pump, &c. (39.1; 59.8; 69.4.) (Section 121)	Burl	10,031

Complete Specifications Accepted—*continued.*

Group 62.—Power Storage.

62.4	Train-arm reversing transmission; reducing speed by the slip of enclosed pump-brakes. (60.2; 95.9)	Innes	C.a.P. 9244

Group 63.—Steam Power.

63.1	Solar heat absorbed by glycerine, evaporates fluid for expansion motors. (63.2)	Shuman	10,772
63.2	Solar heat storage plant; with evaporating interchanger. (63.1) ...	Shuman	10,772

Group 65.—Reciprocating Motors.

65.9	Renewable sealed casing block for transverse piston-valve in pneumatic tools. (72.1)	Haeseler	9027

Group 66.—Gas and Oil Engines.

66.8	Electric ignition switch actuated by Bourdon tube at maximum compression	Humphrey	10,806

Group 67.—Turbines; Rotary Motors.

67.4	Hot air engine; insulation of hot and cold ends of cylinder. (90.9)	Jost	8934

Group 69.—Blowers and Compressors.

69.4	Single stroke pedal air-pump with compound reversible valves. (39.1; 59.8; 61.7). (Section 121)	Burl	10,031

Group 70.—Casting and Stamping.

70.2	Conical sockets surrounding the post tubes of bedsteads. (45.2) ...	Gibson	10,505
70.2	Chill moulds for bedstead sockets, *as* 10,505/07. (45.2) ...	Thomas	10,506

Group 72.—Turning; Milling; Fitting.

72.1	Pneumatic hammer; renewable transverse piston-valve; celluloid seal. (65.9)	Haeseler	9027
72.9	Rolling threads on screw bolts between three parallel rollers stepped in phase	Moy	10,025

Group 74.—Pipes and Fittings.

74.8	Cylinder-guided float-flush valve, closing at both ends of range to prevent waste. (83.9; 86.2)	Holloway	10,637
74.9	Whirling jet for liquid spray evaporator; jewelled orifice. (17.5; 33.1; 36.4)	Bevenot	C.a.P. 8507

Group 78.—Structural Hardware.

78.1	Staples with barbed limbs spreading obliquely	Callow	C.a.P. 9133

Group 83.—Waterworks.

83.9	Cylinder-guided float-flush valve, closing at both ends of range to prevent waste. (74.8; 86.2)	Holloway	10,637

Group 85.—Mining.

85.4	Perforated piston rods, &c., connecting the perforated drill to the air chambers; used with 837/04; 5 designs. (85.9)	Stephens	9900
85.9	Perforated piston rods, &c., connecting the perforated drill to the air chambers; used with 837/04; 3 designs. (85.4)	Stephens	9900

Complete Specifications Accepted—*continued.*

Group 86.—Sanitation.

86.2	Cylinder-guided float-flush valve; closing at both ends of range to prevent waste. (74.8; 83.9)	Holloway	10,637

Group 87.—Medicine.

87.4	Athlete's ankle strap and guard. (53.1)	McDonell	C.a.P. 8122
87.4	Lamb-tailing cauterizing chisel; detachable handle and catch. (37.1)	Hamilton	9708

Group 90.—Wind and Flying Machines.

90.7	Pawl and ratchet reefing-winch, disengaged, &c., by water level float. (61.3)	Sutton	C.a.P. 8761
90.9	Geared fan driven by lamp-heated air engine. (67.4)	Jost	8934

Group 95.—Locomobiles.

95.7	Hinged under brackets to carry anti-skid wheels. (97.89) ...	Newcomb	10,606
95.9	Double driving and free wheel reversing ratchets for side chain gear; 3 designs	Pittman	C.a.P. 8544
95.9	Train-arm reversing transmission; reducing speed by the slip of enclosed pump-brakes. (60.2; 62.4)	Innes	C.a.P. 9244

Group 96.—Rolling Stock.

96.8	Axle driven system; centrifugal change-over switch. (04.3; 98.2; 99.4; 99.6)	Matter	10,645

Group 97.—Wheels.

97.80	Boot sole pad; inflating valve and rim wire attachment. (44.3) ...	Hayes	10,782
97.89	Preventing skidding by oblique wheels on depressible under brackets. (95.7)	Newcomb	10,606

Group 98.—Permanent Way.

98.2	Sectional conductor system; signalling between trains in same block. (04.3; 96.8; 99.4; 99.6)	Matter	10,645

Group 99.—Signalling.

99.4	Supplying sectional signal lamp boxes and syren by axle dynamo. (04.3; 96.8; 98.2; 99.6)	Matter	10,645
99.6	Electric signal lamps in box; two colours. (04.3; 96.8; 98.2; 99.4)	Matter	10,645

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1907.

9435. Thomas PAGE, Austin-street, Wellington, N.Z., mercer,

Application under Sec. 121.

[Date applied for 12th April, 1907, being date of application in N.Z., No. 22,678/07.]

"Improved apparatus for the manufacture of carburetted air, for lighting, power, and heating purposes."

1908.

11,173. Ernest VANDERSTEGEN, Cane End, Caversham, near Reading, Eng., mechanical engineer.

Application under Section 121.

[Date applied for 3rd Apr., 1907, being date of application in Great Britain, No. 7782/07.]

"Improvements relating to window sash lines and the like."

PRINTED SPECIFICATIONS.

STATEMENT TO 31st MARCH, 1908.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection :—

Victoria :
Melbourne—Commonwealth Patent Office, Rialto.
Public Library, Swanston-street.
Prahran—City Library, Town Hall.

New South Wales :
Sydney—Trade Marks Sub-office, Pitt-street.
Public Library, Macquarie-street.

Queensland :
Brisbane—Custom House, Queen-street.

South Australia :
Adelaide—Post Office Buildings, King William-street.
Public Library, North Terrace.

Western Australia :
Perth—Custom House, William-street.
Public Library, Beaufort-street.

Tasmania :
Hobart—Custom House.

New Zealand :
Wellington—Patents Office.

Great Britain :
London—Patent Office, Southampton Buildings.
Commonwealth Office, 72 Victoria-street.
Birmingham—Reference Library, Eden-place.
Dublin—National Library, Kildare-street.
Glasgow—Sterling's Library, Miller-street.
Manchester—Free Library, Deans Gate.
Newcastle-on-Tyne—Public Library, New Bridge-street.
Swansea—Public Library.

United States of America :
Washington, D.C.—Patent Office.

France :
Paris—Office National de la Propriété Industrielle, 292 Rue Saint-Martin.

Germany :
Berlin—Kaiserliches Patentamt.

Japan :
Tokyo—Patents Library.

Other places will be duly announced.

Quarterly Consolidated List of Printed Specifications on sale by the Government Printer, Melbourne, Price 1s. each, post free.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete for binding with title pages, &c.

Vols. 30 to 31 comprise Applications from 5800 to 5999; between these numbers all Accepted Specifications are printed, and titles, &c., are in the press.

Vols. 32 to 38 comprise Applications from 6000 to 7599; all the Applications are accepted or voided, and the published Specifications are printed or in a forward state.

Lists of Specifications published, are printed each week in the *Journal*.

A few Specifications numbered below 5000, and many of higher numbers than 7600 have also been issued, and are enumerated below.

The name following the number is that of a declared actual inventor, or of an applicant. Further particulars may be found by reference to the *Journal* under notices of Applications Received.

2362. Koledas
2990. Spiral S. T. Cl. Co. Ld.
3228. Clemmensen
3726. Macquisten
4007. L. Wax Vesta Co. Ld.
4025. Cannell
4043. Locking
4128. Macquisten
4174. Newman
4232. Stocks
4284. Gray
4539. Ljungström
4804. Tait
4812. Blau
4813. Blau
4848. Kyle
4850. Mees
4852. Kelly
4857. Reid
4874. Pollard
4892. O'Brien
4902. MacIvor
4917. Turton
4933. Chapin
4934. Rodger
4935. Fredrick
4938. Leblanc
4939. Draenert
4940. Walker
4941. Bühne
4943. Stilwell
4945. Ashley
4947. Caught
4949. Nordfeldt
4950. Easton
4952. Brooks
4953. Gredt
4954. Brandt
4955. Klever
4956. Sykes
4958. Gunning
4959. Cartland
4960. Butler
4961. Willson
4962. Davenport
4963. Killen
4966. Dunlop
4968. Leggo
4969. Whitelegg
4971. Rudduck
4972. Leggo
4975. Forwood
4985. Ormerod
4986. McDonald
4988. Wood
4991. Crimp
4992. Hackett
4993. French

Printed Specifications—*continued.*

4994. Smallwood
4995. Rasmussen
4997. Robertson
4999. Poole

Vols. 26 to 32, **5000** to **5999**, see statement above.

6000. Solomon
6003. Moffat
6004. Callahan
6006. Womersley
6008. Barnes
6012. Aylmer
6015. Mazé
6017. Rice
6019. Marsh
6020. Dugdale
6021. Woolnough
6024. Macintosh
6028. Taylor
6029. Neate
6031. Wallace
6032. Hosking
6034. Poulsen
6035. Haschke
6039. Booth
6045. Smith
6048. Statton
6050. Baker
6051. Schlomilch
6052. Muir
6055. Lakin
6056. Moore
6059. Pine
6064. de Hora
6065. Smith
6079. Beck
6129. Clutsam
6188. Charlton
6247. Penfold
6274. Leivesley
6306. Sachse
6317. Bergin
6319. Sponneck-Mayr
6322. Strickland
6327. Westinghouse
6328. Partington
6329. Kerby
6330. Harper
6333. Shaver
6334. Kjellström
6338. Byce
6339. Welch
6341. Marks
6344. Smith
6367. Hardy
6380. Donaldson
6384. Watts
6386. Baron
6387. Keen
6391. Ohlhaver
6394. Silver
6396. Morgan
6397. Marsh
6399. Baker
6401. Wright
6402. Lockley
6406. Holland
6413. Collingridge
6414. Swyny
6418. Stewart
6422. Enrietti
6423. Warsop
6424. Marr
6426. Ladd
6436. Mackenzie
6448. Ljungström
6454. Caldwell
6460. Beard
6466. Lumiere
6468. McCabe
6471. Otis
6472. Emery
6474. Nickel
6477. Lincoln
6484. Goehring
6485. Tyree
6492. Schulze
6494. Meissner
6495. Neikirk
6496. Meissner
6504. Duncan
6507. Kempe
6508. Andrews
6513. deMontépreux
6518. Kaps
6521. Storey
6527. Harlock
6534. Lobnitz
6537. McDonald
6539. Noël
6543. Smith
6546. Wilson
6557. Cummins
6559. Murray
6561. Risberg
6563. Kettering
6564. Singrün
6568. Turpel
6574. Brown
6581. Dickens
6584. Jenkins
6585. York
6586. Newnham
6593. Parks
6594. Crowell
6595. Schmidt
6596. Balze
6598. Treasure
6636. Cummings
6659. Milne
6664. Bissaker
6671. Charles
6688. Hall
6690. von Bertouch
6715. Cloud
6722. Walton
6752. Higgs
6757. Wickham
6759. Crawford
6764. Booth
6766. Gleeson
6769. Aitken
6774. Simpson
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6782. Holmes
6798. Boadle
6806. Morrow
6820. Frogley
6826. Tregurtha
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6858. Cross
6866. Margitich
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6898. Colburn
6903. Esty
6917. Bryers
6918. Bryers
6924. Parker
6925. Dunlop
6930. Hood
6931. Mote
6934. Ljungström
6935. Gaukroger
6943. Cotton
6944. Lake
6947. Hedgeland
6951. Jolly
6954. Mackie
6955. Sayer.
6959. Sherman
6960. Radclyffe
6964. Decker
6966. Steedman
6972. Briggs
6973. Hopkins
6983. Tinker
6989. Elmes
6991. Auscher
6993. Glass
6995. Norton
6997. Cadogan
6999. James
7000. Stoddart
7001. de Boklevsky
7005. Ljungström
7006. Ericsson
7008. Daggar
7010. Badcock
7014. Brady
7016. Davies
7018. Cooper
7020. Anderson
7022. Penny
7024. Willersdorf
7025. Juriss
7028. Ryan
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7054. Marriott
7055. Meyer
7057. Michaelis
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7059. Burroughes
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7130. Tyler
7137. Smaill
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7144. Adair
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7150. Silberrad
7151. Brightmore
7152. yXiménez
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7159. Pearson
7160. Tomlinson
7162. Throsby
7163. Rundle
7168. Perry
7171. Howland
7173. Ridd
7176. MacCarthy
7179. Brookshaw
7185. McDonald
7188. Martin
7189. Webster
7190. Wright
7192. Stange
7197. Forlanini
7202. Brillhart
7203. Borchers
7211. Horsnell
7212. Wilson
7215. Burfoot
7216. Jacobson
7217. Bain
7224. Grace
7229. Crook
7230. Hall
7232. Ritchie
7234. Lake
7235. Forbes
7240. Perry
7242. Baron
7243. Farquhar
7245. Jamieson
7246. Baron
7247. Kjellin
7250. Parsons
7252. Dressler
7254. Killen
7258. Fischer
7260. Bell
7261. Browne
7263. Jamieson
7265. Moyano
7267. Kirby
7271. Holman
7272. Boehm
7273. Ericsson
7277. Holroyd
7280. Morice
7282. Bottomley
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7287. de Albertis
7290. Bell
7292. Inrig
7293. Dear
7294. Mallett
7296. Turner
7298. Kelly
7299. Perry
7300. Casgrain
7301. Bates
7302. Shaw
7304. Bacon
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7307. Burt
7309. Morris
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7311. Kimball
7313. Longacre
7314. Longacre
7318. Friend
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7324. Naylor
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7334. Brown
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7337. Wilkins
7339. Koledas
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7350. Kleine
7353. Spiller
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7409. Burns
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7418. Carter
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7421. Hughes
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7427. Vize
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7444. Goodman
7447. Gregory
7450. Ashton
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7459. Johnston
7461. Barton-Wright
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7463. Gentzsch
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7470. Tropenas
7471. Wright
7472. Gibson
7473. Truesdell
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7480. Richardson
7481. Morris
7483. Irwin
7492. Gordon
7497. Basedow
7502. McDonald
7504. Broad
7506. Fricker
7507. Imbert
7508. Waltho
7513. Albrecht
7514. Cowan
7515. Handoll
7519. Moralt
7521. Scheer
7527. Chadwick
7529. Cunningham
7530. Dake
7531. Dake
7532. Herbert
7533. Sokal
7536. Gard
7538. Mitchell
7539. Gies
7541. Layfield
7542. Lamb
7543. Lamb
7544. Lamb
7547. Lamb
7549. Decker
7552. Jaubert
7554. Hicks
7556. Curnow
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7614. Cropley
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7622. Holmes
7625. Bird
7628. Webber
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7647. Walter
7649. Johns
7654. Schooley
7656. Rose
7657. Keane
7658. Butters
7659. Hermansen
7660. Rees
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7662. Parker
7663. Ringi
7665. Windham
7671. Ferchland
7675. McDonald
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7677. Nichols
7682. Smith
7683. Masters
7686. Driver
7687. Stanley
7690. Pataud
7691. Snee
7694. Dall
7695. Lacy
7696. Mauss
7697. Brandram
7698. Hepburn
7700. Davies
7702. Bacigalupi
7703. Westinghouse
7708. Landsperg
7709. Sinclair
7712. Kaisser
7714. Sandell
7715. Sandell
7716. Goodacre
7717. Sutton
7719. Ruddick
7722. Haeseler
7723. Elliott
7724. Knorr
7725. Bidwell
7726. Roach
7727. Walker
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7731. MacKaskie
7733. England
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7736. Malocsay
7737. Garson
7742. Mackaness
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7752. Johnson
7753. Johnson
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7757. Berglund
7758. Liening
7765. Howitt
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7783. Cole
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7790. Pihlfeldt
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7794. Weldon
7795. Francis
7797. Whitehorn
7801. Jumau
7802. Jumau
7806. Dalton
7807. Robertson
7808. Gascard
7810. Walker
7811. Lees
7812. Hellberg
7814. P.-Kowtunoff
7815. Hansen
7817. Adams
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7822. Smith
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7826. Sanderson
7827. Bullock
7834. Matthews
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7848. Clease
7851. Heltberg
7852. Molas
7853. Parant
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7870. Hendryx
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7873. Prellwitz
7874. Gibson
7875. Gibson
7876. Gibson
7877. Schwarz
7878. Morrison
7879. Harris
7880. Silver
7888. Matheson
7891. Holmes
7892. Lovett
7896. Winkler
7897. Rosan
7898. Lentz
7899. Saur
7904. Frankenburg
7906. Burkett
7907. Whitney
7908. Rochford
7909. Calder
7911. Wrigley
7912. Pehrson
7914. Johnson
7916. Burroughs
7917. Comings
7919. McEachern
7920. Waycott
7923. Newman
7929. Brennan
7931. Wright
7940. Marks
7941. Teese
7943. Krüger
7944. Davey
7945. Yeates
7947. Kaysan
7948. Martin
7949. Meikle
7951. Fischer
7952. Josling
7953. Pape
7954. Bruce
7963. Ryan
7965. Brehaut
7966. McEachern
7968. Teese
7969. Barger
7975. Niemi
7982. Pritchard
7989. Carpenter
7990. Berglund
7991. Berglund
7992. Hjorth
7993. Hjorth
7994. Bachmann
8001. Sterne
8002. Taylor
8004. Mitton
8008. LeGarde
8015. Bushnell
8016. Stockall
8023. Miller
8028. Wirth
8031. Langer
8036. Adams
8038. Magee
8040. Cheesbrough
8042. Mence
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8047. Higson
8050. McLennan
8052. N.-Clare
8053. Jagger
8054. Vogt
8057. Leblanc
8058. Gelly
8063. Walls
8064. Hill
8065. Merralls
8067. Rockstroh
8073. Meers
8074. Goodyear
8076. Nugent
8078. Sohler
8084. Williams
8091. Coulson
8096. Pataud
8097. Mavrogordato
8099. Nicholson
8100. Anderson
8101. Knudsen
8102. Larsen
8105. Avey
8108. Lake
8115. de Perini
8117. Bourne
8121. Ljungström
8124. Burger
8127. Smith
8137. Allan
8141. McGinn
8144. Ryan
8146. Clarke
8147. Rischmuller
8149. Sutherland
8150. Sutherland
8152. Reardon
8153. Wade
8159. Read
8164. Lee
8166. Meister
8177. Collins
8178. Schmidt
8181. Gifford
8183. Beuhne
8186. Knudsen
8187. Knudsen
8188. Anker
8189. Taylor
8190. Lamme
8191. Lamme
8192. Lamme
8193. Lamme
8194. Harker
8197. Bell
8198. Robertson

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8199. O'Dowd
8211. Barabasz
8212. Simpson
8213. Kahn
8217. Parker
8218. Heap
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8221. Cox
8222. Pedersen
8226. Wood
8227. Cartland
8228. Cartland
8229. Fouts
8230. Gibson
8231. Kelly
8232. Prollius
8257. Goldsworthy
8259. Albrecht
8263. Gordon
8267. Leahy
8270. Hodgson
8271. Poplawski
8272. Stockall
8281. Edmonds
8282. Hoyt
8286. Chandler
8291. Allan
8293. Smulders
8294. Smulders
8295. Shaw
8302. Cotton
8311. Stephens
8315. Annand
8316. Annand
8317. Marsden
8318. Vogelgesang
8319. Whitfield
8320. Pintsch
8321. Tyree
8323. Trautmann
8333. McGrath
8334. Hunt
8345. Goltstein
8346. Goltstein
8347. Goltstein
8360. Scott
8361. Ross
8362. Miess
8371. Désy
8372. Igou
8373. Gallsworthy
8374. Samuel
8375. Tyberg
8377. Sylvester
8378. Coutts
8379. Garratt
8380. Dunz
8382. Andrew
8383. Beresford
8384. Gillett
8385. Sutherland
8390. Gibson
8391. Weir
8392. Weir
8393. Fischer
8394. Fischer
8395. Fischer
8398. Allen
8399. Allen
8400. Lake
8401. Poulsen
8403. Ossart
8405. Young
8414. McCarty
8418. Hardaker
8424. Cusack
8429. Cox
8430. Grothkarst
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8457. Ireland
8458. Dowie
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8489. Neil
8492. Corin
8499. Robinson
8508. Friend
8510. Tracy
8512. Wesp
8514. Pearce
8519. Baldwin
8520. Hardaker
8530. Krimer
8531. Dover
8543. Hudson
8551. Brown
8552. Bayne
8553. Betts
8556. P.-Kowtunoff
8559. Klousnitzer
8561. Remelius
8562. Levy
8564. Gaisman
8566. Rekar
8567. Rogers
8570. Clark
8571. Clark
8577. Anderson
8579. Bradshaw
8584. P.-Kowtunoff
8588. Temple
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8618. Taylor
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8658. Vaughan
8707. Jaburg
8729. Gare
8744. Anderson
8757. Herrenschmidt
8763. Trottier
8771. Clark
8799. Coomber
8843. Borgström
8850. Aitken
8915. Wellwood
8953. C.-Coles
8954. C.-Coles
8989. Groombridge
8991. Nicol
9012. Corbett
9064. Loebbecke
9144. Lewis

Printed Specifications Published

And for Sale at the Government Printing Office Melbourne.—Price, One Shilling each, post free.

The following additional Specifications are available for purchase on the date of this *Journal*:—

1906.

7223. P. D. Koehne. *Boots.* Class 44.1.
7372. J. Smith. *Flood-gate.* Class 81.9.
7448. J. Pettitt (Sturmhoebel.) *Field gates, &c.* Classes 77.1; 81.9.
7632. R. R. Cowl. *Window sashes.* Classes 77.3; 78.7; 81.5.
7644. I. Sutherland. *Shooting gallery apparatus.* Classes 04.4; 53.1; 53.4; 61.5; 89.5.

Printed Specifications Published—*continued.*

1907.

7813. T. Hodkinson. *Sash weights.* Classes 70.2; 78.7.
7856. E. N. Waters (Engelhardt). *Electrolysis of zinc.* Classes 07.6; 08.2.
8273. A. H. Allen. *Moulding leggings.* Classes 44.5; 44.7; 47.3.
8657. Jones and Mansell. *Bituminous reinforced pipes.* Classes 18.7; 81.2.
8694. A. G. L. Neighbour. *Clearing nipples of lamps, &c.* Class 23.3.
8699. E. Steele. *Explosives.* Class 89.8.
8715. H. Stevens. *Safety milk cans.* Classes 36.2; 77.5.
8721. G. H. F. Berglund. *Milking Machine.* Classes 36.1; 69.4.
8730. N. Barnewell. *Railway grass destroyer.* Classes 23.3; 31.5; 98.3.
8746. S. G. Brown. *Electric Telegraph.* Classes 04.6; 05.2.
8748. Marino and Barton-Wright. *Electric accumulators.* Classes 07.3; 79.1.
8755. A. Petersson. *Charging carbide furnaces.* Classes 06.8; 08.2; 15.4.
8756. A. Petersson. *Continuously producing carbide.* Classes 06.8; 08.2; 15.4.
8758. V. Courtecuisse. *Singeing thread.* Classes 06.7; 40.7; 41.7.
8766. W. Foord. *Milk and cream coolers.* Classes 29.5; 36.3.
8796. C. Chambers. *Dough mixing machine.* Classes 10.8; 11.3; 34.6.
8797. C. Chambers. *Mixing dough.* Class 34.6.
8802. C. Brent. *Extinguishing fire.* Class 88.2.
8831. J. H. Miess. *Incandescence apparatus.* Classes 22.4; 23.3; 23.5; 68.6; 74.8.
8839. H. A. Stuart. *Medicinal biscuit.* Classes 34.6; 87.1.
8927. T. J. McBride. *Resilient wheels.* Classes 97.81; 97.89.
8957. Fintsch's Patent Lighting Co. Ltd (Pintsch). *Inverted incandescence lamps.* Classes 22.5; 23.5; 96.8.
8965. F. M. Ashley. *Inkstands.* Class 49.1.
9006. A. F. Conery. *Shavings of soap.* Classes 10.7; 25.1; 45.5.
9060. Hewitt and Walker. *Clamping devices.* Class 48.8.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

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Application in respect of which a Complete Specification has been Accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
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7552	7 Dec.	L Jaubert	N.S.W.	Sieve for brickmaking ...	339

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Assignment Registered.

1902.

19,982. "Improvements in extracting zinc and other sulphides from their ores."

Assignment of the whole *by* Francis Marshall Dickenson *to*

Potter's Sulphide Ore Treatment Limited. Dated 27th Nov., 1907. Registered 2nd Apr., 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

No.	Name.	Paid up to—
	1897.	
3866	Lake, S.	4th May, 1909
	1899.	
4859	MacMaster, A. J. B. ...	28th Mar., 1913
4862	Mills, T., & Donald, R. K.	4th Apr., 1909
	1901.	
5951	Beale, O. C., & Vader, C. J.	4th Apr., 1915
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7169	McElroy, J. F. ...	18th Mar., 1909
7187	Blair, J. B.	27th Mar., 1909
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7698	Delprat, G. D. ...	21st May, 1912
7699	Delprat, G. D. ...	21st May, 1912

GEORGE TOWNSEND,
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Vol. 6.—Applications and Proceedings, 1907

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I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding. Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion; *Alphabetical Subject Matter Indexes* are also issued for each month at later dates. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume; they cannot be completed simultaneously with the last weekly issue for the year, and would unduly increase its bulk. If it is desired to preserve them, they are continuously paged in two sets, and may be separately bound in monthly order.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

Patents Act 1903.—First Schedule.—Fees.

As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

Fees payable on and in connexion with Letters Patent in addition to those set out in the Second Schedule to the Act.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

1 0 4

Vol. 8.] **1908.** **[No. 15.**

Tuesday, 28th April.

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

THE Australian Official Journal of Patents.



Notices.

Applications Received, 11,232 to 11,319.

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States Proceedings.

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C.4617.

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Price List of Publications.

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Patents Act 1903		8d.
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Commonwealth of Australia Gazettes—Patent Office Special Numbers. Nos. 34, 49, 52, 56, 60, 69, 72 of 1904; No. 2 of 1905	each	4d.
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Weekly numbers (yellow cover)		6d.
Classification Scheme and Word Index (paper, 60 p.p.)		1s.
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The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS,** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & ALLEN,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

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TRADE MARKS.

Associate Work.

P. M. NEWTON, Patent Attorney

MARKET BUILDINGS,

437 COLLINS ST., MELBOURNE.

And at Hobart and Launceston. Estab 1895.

The Australian Official Journal of Patents

[*Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.*]

VOL. 8.] 28TH APRIL, 1908. [No. 15.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

COMMONWEALTH PATENT OFFICE.

Board of Examiners for the Examination of Candidates for Registration as Patent Attorneys.

The following gentlemen have been appointed by the Minister as members of the Board of Examiners, provided for by Regulation 147 of the *Patents Act* 1903 :—

GEORGE MCNEIL ROBB, Deputy Commissioner of Patents.
ROBERT GIVEN FERGUSON, Deputy Registrar of Trade Marks.
ERNEST JOHN LANGLEY AVDALL, Examiner of Patents.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

C.4617.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 9th to 22nd April, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 9th April.

11,232. *Prov.* Angus Gunn, Wanganui, N.Z., carpenter,

"An improved washing compound."

11,233. *Prov.* George John Kempster, Turton-road, Waratah, N.S.W., manager of gas works,

"Improvements in apparatus for lighting and extinguishing gas lamps."

11,234. *Prov.* John Henry O'Callaghan, 183 Hereford-street, Christchurch, Canterbury, N.Z., motor and cycle engineer,

"An improved connection for bicycle pumps and the like."

11,235. *Prov.* William Henry Gregory Geake, Room 150 Vicarrys Chambers, 82 Pitt-street, Sydney, N.S.W., manufacturers' agent,

"Twin-collar tennis shirt."

11,236. *Prov.* William Thomas Hitchen, Gulargambone, N.S.W., hairdresser,

"The rapid acetylene gas generator and carbon fumigator."

11,237. *Prov.* Frederick Samuel Greer, 7 Market-street, Sydney, N.S.W., manufacturer,

"An improved fumigator."

11,238. *Comp.* Edmund Elliott, Parnell, near Auckland, N.Z., wool scourer,

"A hair wool and other staple washing machine."

11,239. *Comp.* George William Green, Lion's Lair, Woy Woy, N.S.W., carpenter,

"Holder and anti-rattler for sliding sashes."

11,240. *Comp.* John George Hudson, Wanganui, Wellington, N.Z., gentleman, and John William Mardon, 16 Thorndon Quay, Wellington, N.Z., flax miller,

"Improvements relating to railway signalling."

11,241. *Prov.* Hugh Ralston Crawford, Colonial Mutual Chambers, 421 Collins-street, Melbourne, Vic., architect and civil engineer,

"System of reinforcing concrete with twisted steel bars."

11,242. *Prov.* Patrick Bourke, 7 St. James' Building, William-street, Melbourne, Vic., clerk,

"An improved multiple boring machine for fence posts and the like."

11,243. *Comp.* Daniel Reddan, Smith-street, Fitzroy, Vic., tobacconist,

"A new or improved material of the nature of leather and method or process of and means to be used in manufacturing same from hides."

Friday, 10th April.

11,244. *Prov.* Ivan Archer Rosenblum, 9 Elm-grove, Windsor, Vic., inventor,

"An automatic electro-mechanical apparatus for controlling alarms and other warning appliances at level crossings and the like."

11,245. *Comp.* Charles Harrison, Long-street, Queenstown, S.A., commission agent,

"An improved process for the manufacture of fertilisers and apparatus therefor."

Applications received, 9th to 22nd April—*continued.*

11,246. *Prov.* Albert Greenham, "Springdale," Boyanup, W.A., farmer and grazier,

"Lambs' tailing and searing and castrating apparatus."

11,247. *Prov.* Edward Bridger and Alexander John Cromie, both of corner of Elizabeth and Lonsdale streets, Melbourne, Vic., electrical engineers,

"Improved means for sounding and maintaining an alarm to warn persons that a railway train is approaching a roadway crossing."

11,248. *Prov.* Paul Schwartz, trading as the Foreign Agency, 169 Clarence-street, Sydney, N.S.W., indent agents (*communicatee of* The Royal Blue Paper Company Limited, 249 High Holborn, London, W.C., Eng., *assignee of* Theodor Zeunert, *act. inv.*, Zehlendorp, Germany),

"Improvements in the manufacture of laundry blues and the like."

11,249. *Prov.* William Henry Robins, "Lilyvale," Gore-street, Warwick, Qld., commercial traveller,

"Buck-jump martingale."

11,250. *Prov.* William Henry Gregory Geake, 150 Vickery's Chambers, 82 Pitt-street, Sydney, N.S.W., manufacturers' agent,

"Vibratory and oscillatory advertising appliance."

11,251. *Prov.* Samuel George Pluckett, Hermitage-street, Ryde, N.S.W.,

"An improved reversible rabbit gate."

11,252. *Prov.* Thomas James McBride, No. 136 Papanui-road, Christchurch, N.Z., gentleman,

"Improvements in puncture proof tyres."

Saturday, 11th April.

No application received.

Monday, 13th April.

11,253. *Prov.* Thomas William Daly, 237 Crown-street, Darlinghurst, N.S.W., salesman,

"The Dudley collar."

11,254. *Prov.* John Ludvig Ohlson, Rundle-street, Adelaide, S.A., machinist,

"An improved method of and means for holding tool heads."

11,255. *Prov.* Henry Hannen, 66 Judge-street, Woolloomooloo, N.S.W., laundryman,

"Improved blouse ironing board and clamp."

11,256. *Comp.* David Horn Mortimer, "Mount Lea," Leneva West, *viâ* Wodonga, Vic., grazier,

"Hand-cart rabbit poison distributor."

11,257. *Prov.* Arthur James Hanson, 33 York-street, Sydney, N.S.W., electrical engineer,

"Improvements in multiplex electric cut-outs."

11,258. *Prov.* Eda Nesbitt, Swan Hill, Vic., married woman,

"Improvement on gentlemen's braces."

11,259. *Prov.* Eda Nesbitt, Swan Hill, Vic., married woman,

"Combined spring shoulder strap, skirt holder, bodice retainer, and spring stocking supporter."

11,260. *Prov.* Colin Frank Pyke, 30 Denbigh-road Armadale, Vic., student,

"A new and improved method of watering gardens."

11,261. *Prov.* Charles Theodore Niebel, "The Pines," Cairns, Qld., accountant,

"The boon divided sanitary pan."

11,262. *Prov.* John Edward Bourke, Colinroobie, Narrandera, N.S.W., farmer,

"Improvements in pollard and bait distributors."

Tuesday, 14th April.

11,263. *Prov.* Thomas Robert Linton Austin, State School, North Fitzroy, Vic., teacher,

"A running man and head and shoulders disappearing target."

11,264. *Prov.* William Arthur Thomson, 82 William-street, Melbourne, Vic., miner,

"Improvements in the catchment vessels or rain gauges."

11,265. *Prov.* Frank McIvor, 101 Manningtree-road, Glenferrie, Hawthorn, Vic., clerk,

"Automatic safety coupling."

Applications received, 9th to 22nd April—*continued.*

11,266. *Prov.* James McKENNEY, "Rose Lawn," Cowra, N.S.W., farmer,

"Improvements in ploughs adapting them for sowing seed."

11,267. *Prov.* Edward LOFT, 262 Elizabeth-street, Sydney, N.S.W., showman,

"Improved apparatus for indicating the force of a blow."

11,268. *Comp.* John Magnus CARLSON, Drummond-street, Clermont, Qld., contractor,

Application under Sec. 7.

(Qld. 6589.)

"A portable gold and tin dry blower."

11,269. *Comp.* John Magnus CARLSON, Drummond-street, Clermont, Qld., contractor,

Application under Sec. 7.

(Qld. 6700.)

"A portable dry jigger for gold and tin saving purposes."

Wednesday, 15th April.

11,270. *Prov.* Bernard Dixon BRUNING, 513 Hay-street, Perth, W.A., engineer,

"Contrivance to automatically make connection or contact between two wires."

11,271. *Prov.* Harry BOWDITCH, *Examiner* Office, Parkes, N.S.W.,

"Devices whereby a gate or door on being opened will close itself and when shut bolt itself automatically."

11,272. *Prov.* William Ernest Livingstone WEARS, 413 Collins-street, Melbourne, Vic., civil engineer,

"An improved fire protector for tram cars or other vehicles."

11,273. *Comp.* William Edward GARFORTH, *M. Inst. C.E.*, Snydale Hall, Normanton, Yorkshire, Eng., colliery owner,

"Improvements in respiration apparatus for use in coal mines and other places."

11,274. *Comp.* William Edward GARFORTH, *M. Inst. C.E.*, Snydale Hall, Normanton, Yorkshire, Eng., colliery owner,

"Improvements in head-gear for respiration apparatus for use in coal mines and other places."

11,275. *Comp.* William Edward GARFORTH, *M. Inst. C.E.*, Snydale Hall, Normanton, Yorkshire, Eng., colliery owner,

"Improvements in the arrangement, and construction of parts, of respiration apparatus for use in coal mines and other places."

11,276. *Prov.* Edmund Bertram GENDERS, Cameron-street, Launceston, Tas., merchant,

"Improved waterproof riding apron."

11,277. *Comp.* Oddur Vigfus SIGURDSSON, 433 Fifty-first-street, Brooklyn, New York, U.S.A., mechanical engineer,

Application under Sec. 85, additional to 9061/07.

"Improvements in typecasting machines."

11,278. *Prov.* Arthur John BEDFORD, 33 William-street, Melbourne, Vic., manufacturer,

"Improvements in and relating to lighting and extinguishing gas lamps from a distance."

11,279. *Prov.* Herbert Thomas OFFORD, Stirling-terrace, Albany, W.A., engineer,

"Self propelled and engine driven tree puller and hauler."

11,280. *Prov.* Edward SANGER, Lindisfarne, Tas., poultry farmer,

"Improvement in application of compressed air by water to obtain motion."

11,281. *Prov.* John Gavan REILLY, Post Office, Ararat, Vic., postmaster,

"Improved delivery and return label."

11,282. *Prov.* Frank Stafford JELBART, Firebrace-street, Horsham, Vic., engineer,

"Horizontal stationary internal combustion engine."

11,283. *Prov.* Alfred Frederick BRONNER, 117 Collins-street, Melbourne, Vic., specialist, and Alfred Arthur QUICK, 46 Hilton-street, Clifton Hill, Vic., driver,

"An improved apparatus for controlling and registering the delivery of liquids."

11,284. *Comp.* Julius DORNETH, No. 29 Nostiz-street, Berlin, Germany, workmaster,

"Improvements in or relating to typograph machines."

Applications received, 9th to 22nd April—*continued.*

11,285. *Prov.* Alexander Gillies, 2 Brown-street, Heidelberg, Vic., dairyman,

"An improved mouthpiece for teat cups of milking machines."

11,286. *Comp.* Max Adolf Bleichert, and Paul Max Bleichert, both of Leipzig-Gohlis, Germany, manufacturers,

"Improvements in rope railways."

Thursday, 16th April.

11,287. *Comp.* Frank Cotton, Hornsby, N.S.W., engineer,

"An improved method of and means for burning fuel for firing steam boilers."

11,288. *Prov.* William Webster, 10 Royal-arcade, Melbourne, Vic., umbrella-maker,

"An apparatus for washing and regulating the pressure of acetylene gas."

11,289. *Comp.* William Arthur Thomson, 82 William-street, Melbourne, Vic., miner,

"Improvements in and relating to fastenings for leather straps and the like."

11,290. *Prov.* Arthur James Jodrell Bolton, 16 Mont Albert-road, East Kew, Vic., metallurgist,

"Improvements in railway rolling stock, rendering it serviceable upon lines of different gauge."

11,291. *Prov.* John Swan, 56 Loch-street, Coburg, Vic., mechanic,

"An improved lock for preventing the unfastening of straps."

11,292. *Prov.* Charles James Wattson, 79 Maclaggan-street, Dunedin, N.Z., printer,

"Improvements relating to letter cards."

11,293. *Prov.* William Webster, 10 Royal-arcade, Melbourne, Vic., umbrella-maker,

"An apparatus whereby street gas lights with pilots can be lighted by an increased pressure from the main."

11,294. *Comp.* Christian William Vilhelm Messerschmidt, Gl. Kongevej 6, Copenhagen, Denmark, merchant,

"Improvements in metal capsules for bottles and the like."

11,295. *Prov.* John Samuel Ireland, Wahring, Vic., blacksmith,

"An improved earth-scoop."

11,296. *Prov.* Henry Williams, sen., and Henry Williams, jun., trading as Williams & Co., 12 Weston-street, Brunswick, Vic., manufacturers,

"A movable vyce jaw for bolt making machines."

11,297. *Comp.* De Dion Bouton (1907) Limited, 10 Great Marlborough-street, London, W., Eng., motor carriage manufacturers (*assignee of* Albert De Dion and Georges Bouton, *act. invs.*),

"Improvements in or relating to the chassis of a three-axle vehicle."

11,298. *Prov.* Charles Edgar Sanders, 11 Napier-street, Essendon, Vic., bootmaker,

"An improved boot."

11,299. *Comp.* David Edward Bigelow, Equitable Buildings, Collins-street, Melbourne, Vic., mining engineer,

"Improvements in grinding pans."

11,300. *Comp.* David Edward Bigelow, Equitable Buildings, Collins-street, Melbourne, Vic., mining engineer,

"Improvements in revolving screens."

17th to 21st April.

Public Holidays.

Wednesday, 22nd April.

11,301. *Prov.* Sylvester John Browne, Minenbah, Whittingham, N.S.W., pastoralist, and Edward Giles Stone, Studley Park, Werrington, N.S.W., engineer,

"Improvements relating to the construction of fodder storage chambers such as silos or the like."

11,302. *Comp.* Pierre Marc de Sers, 240 Forbes-street, Darlinghurst, N.S.W., gentleman,

Application under Sec. 7.

(N.S.W. 13,702.)

"An improved water velocipede."

11,303. *Prov.* John Marks, Devonport, near Auckland, N.Z., engineer,

"A reversible high speed turbine."

Applications received, 9th to 22nd April—*continued.*

11,304. *Comp.* Henzer Hodkin, Minto, N.S.W., plasterer,

"An improved plastic flooring."

11,305. *Comp.* Henzer Hodkin, Minto, N.S.W., plasterer,

"An improved eduction ventilator cowl."

11,306. *Prov.* William Egerton Waldon, Railway-parade, Leederville, W.A., manufacturer of musical instruments,

"Improved horn for gramophones, phonographs and such like instruments."

11,307. *Comp.* Leon Perret, Perm, Russia,

"Improvements in wash barrels or revolving screens for the washing of sands and ores, containing precious and like metals."

11,308. *Comp.* Joseph Devonport Finney Andrews, 2 Park-avenue, East Sheen, Surrey, Eng., consulting engineer,

"Improvements in furnaces."

11,309. *Comp.* Eugen Schmidt, 65 Sredny Prospect, Vassily Ostrov, St. Petersburg, Russia, engineer,

"Apparatus for producing a mixture of steam and combustion gases."

11,310. *Comp.* Frederick Charles Lynde, Gretton Lodge, Mauldeth-road, Withington, Manchester, Lancashire, Eng., consulting engineer, and Clement Vincent Haworth, "Illawalla," Poulton-le-Fylde, Lancashire, Eng., engineer,

"Improvements in and relating to apparatus for the production of gas."

11,311. *Comp.* Giacomo Rossi, Portici, Naples, Italy, professor of agricultural bacteriology,

"Industrial microbiological vegetal retting process by pectic aerobic microbes in a gas current."

11,312. *Prov.* Amherst Talbot Robert Wilde, 313 Victoria-street, Abbotsford, Vic., cycle engineer,

"A metal lever or key for screwed sleeves bicycle bracket cups and the like."

11,313. *Comp.* Siegfried Gironcoli, Zollfeld, near Maria Saal, Carinthia, Austria, director,

"Process of preserving victuals of animal origin."

11,314. *Prov.* William Macquarie Malone, Wandi, Narrabri, N.S.W., journalist,

"Improvements in fastenings for boots, leggings gloves gaiters and the like."

11,315. *Comp.* Robert Ernst Fischer and Max Wescher, both of 3-5 Sandstrasse, Elberfeld, Germany, engineers,

Application under Sec. 121.

[Date applied for 25th April, 1907, being date of application in Germany; application also made in Great Britain, 27th July, 1907; France, 29th July, 1907; Austria, 29th July, 1907; Hungary, 1st Aug., 1907; Belgium, 2nd Aug., 1907; Switz., 15th Aug., 1907.]

"Improvemetns in gumming devices for envelope, bag and like making machines."

11,316. *Comp.* Robert Ernst Fischer and Max Wescher, both of 3-5 Sandstrasse, Elberfeld, Germany, engineers,

Application under Sec. 121.

[Date applied for 18th April, 1907, being date of application in Germany; application also made in France, 25th July, 1907; Great Britain, 27th July, 1907; Belgium, 29th July, 1907; Austria, 29th July, 1907; Hungary, 1st Aug., 1907; Switz., 15th Aug., 1907.]

"Automatic disconnecting device for paper treating machines with rotatable rolls."

11,317. *Comp.* Edwin Phillips, 533 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* International Amet Company, Phœnix, Maricopa, Arizona, U.S.A., manufacturers, *assignee of* Edward Hill Amet, *act. inv.*, 1621 West Jefferson-street, Phœnix, Maricopa, Arizona, U.S.A., inventor),

"Improvements in apparatus for producing gas."

11,318. *Comp.* Alexander Walker, Mount Gambier, S.A., accountant,

"Improvements (for educational purposes) in pencil cases, and other cylinders."

11,319. *Comp.* Edward J. Rohrbacher, corner of G-street and Third-avenue, Blaine, Whatcom, Washington, U.S.A.,

Application under Sec. 121.

[Date applied for 22nd April, 1907, being date of application in U.S.A., No. 364,918/07.]

"Automatic air pump."

Provisional Specifications Accepted

Italics indicate that some amendment has been made.

1908.

10,233. Rogers, R. A., & Cantelo, F.
10,593. Burgess, C. S., (Keller)
10,831. Watson, G. D.
10,875. Stacey, G. W.
10,893. Stevens, H.
10,949. Fienberg, J. H., *Fan advertising programme.*
10,950. Watts, A. E. W., *A composition for floors, steps, verandahs and the like.*
10,952. Tayler, H. W., & Myers, A. V. D.
10,976. Curtin, J. F.
10,978. Nelken, L.
10,979. French, J. W. H., & Laidlay, T. W.
10,981. Cornell, J.
10,982. Barnett, D. M.
10,983. Moyle, J.
10,984. Millane, Florence A.
10,985. Beauchamp, J.
10,988. Kron, F. R.
10,993. Gillies, A.
10,994. Sartain, H. J.
10,995. Quinn, F. M.
10,996. Linley, F. M.
11,002. Baker, F.
11,003. Ekins, W. E.
11,008. Parker, E.
11,009. Mallyon, J. R.
11,010. Wilde, A. T. R.
11,011. Palmer, W.
11,012. Sanderson, W. P.
11,013. Williams, T.
11,014. McBean, W., Hickmer, G., & Parker, W. S.
11,016. Gilruth, J. G.
11,018. Williams, H. B.
11,021. Symons, G. H.
11,022. Johnson, C. A.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9035. George Wilkinson, Factory-street, Parramatta, N.S.W., plasterer,

"Composition cavity stone." 15th April, 1908.

9162. John Joseph Noonan, Coolamon, N.S.W., blacksmith,

"Improvements in vehicle wheels." 10th April, 1908.

9188. William Coughlan, *act. inv.*, Oakvale, Vic., farmer, and Thomas Leech, *assignee*, Quambatook, Vic., agent,

"Improvements in scoops and gutter making implements." 13th April, 1908.

9190. Henry Edwin McDonald, Walker-street, Lavender Bay, N.S.W., merchant,

"Improved apparatus for cleansing animal skins." 13th April, 1908.

9192. John Gray, Vineyard, N.S.W., engineer,

"Device for indicating the 'hits' upon a rifle target." 10th April, 1908.

9224. William Charles Southgate, District-road, North East Valley, Dunedin, N.Z., foreman bottler,

"Machine for tarring and sanding the surface of street pavements and the like." 16th Apr., 1908.

9230. Thomas Berry Lockley, "Maberry," Clinton-street, Goulburn, N.S.W., teacher of carpentry,

"Improvements in wood-workers' or bench vises." 13th April, 1908.

9247. Randolph Stuart Sanderson, Burnie, Tas., accountant,

"An improved machine for calculating the weight of butter fat in cream or milk." 16th Apr., 1908.

9281. Cornelius Murnane, 20 Queensberry-street, North Melbourne, Vic., manufacturer,

"Improved wool press." 22nd Apr., 1908.

9313. Peter Roger Hughes, Waterloo-street, Geelong, Vic., storeman,

"Apparatus for stacking or hoisting bales of wool and other packages of merchandize." 13th April, 1908.

9441. Thomas Robson, 1 Somerset-avenue, Wellington, N.Z., joiner,

"An improved carpenter's bench stop." 9th April, 1908.

9763. John Patrick Murray, Clarendon, Brisbane, Valley Railway Line, Qld., engineer,

"An improved device for moistening stamps, inking pads and the like; and suitable also for use in germinating seeds." 22nd Apr., 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

9854. Annie Margaret Ponninghaus, 30 Portland-place, South Yarra, Vic., married woman,

"An improved apparatus relating to the heating of liquids." 14th April, 1908.

10,005. Annie Margaret Ponninghaus, 30 Portland-place, South Yarra, Vic., married woman,

"An improved machine for washing or otherwise treating clothes or other articles." 14th April, 1908.

1908.

10,647. Paul Boll, Crassy-street, Deniliquin, N.S.W., engineer, and Ralph Falkiner, Moonbria, N.S.W., pastoralist,

"An improved universal joint or coupling specially for use in sheep shearing machines." 14th April, 1908.

11,105. Frank Baker, "Malua," North Brighton, Vic., engineer,

"Improvements in vehicle wheels." 16th Apr., 1908.

11,236. William Thomas Hitchen, Gulargambone, N.S.W., hairdresser,

"The rapid acetylene gas generator and carbon fumigator." 22nd Apr., 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

8902. Bell, H. N.
8904. Pitman, T.
8908. Potts, C. V.
8912. Newton, H. C., & Michell, A. G. M.
8913. Craig, E. W., & Hammond, C. G.
8918. Farnham, H. F.
8919. Warner, T., & Kannuluik, J.
8921. Rudd, H.
8922. Sutton, T.
8923. Heskett, W. P.
8925. Purdy, C. A., & Moore, E. P.
8926. Horsnell, E. C. H.
8930. Sainsbury, R., Martland, J., & Williams, G.
8932. Clark, J. J.
8935. Frasch, G. B.
8937. Dawson, B. F. H.
8938. Gonard, A.
8939. Paul, R. H.
8941. Aldred, W.
8944. Blackham, W. H. (Teese)
8946. Messner, F. (Holder)
8948. Görler, A. E. A.
8950. Davies, T. R., & Owen, L.
8952. Mallyon, J. R.
8962. Johnston, A. H.
8963. Webster, W.
8968. Pearce, W. W.
8970. Green, W.
8971. Wallace, C. T.
8972. Mintern, D. A.
8974. Cooling, G.
8975. Pegg, J. R.
8976. Clark, G.
8978. Masson, J. R.
8980. Bruce, J. S.
8981. Dow, J. B.
8984. Billows, A. J.
8985. Jago, C. W.
8988. Smith, J. W., & Hyne, H. J.
8997. Taylor, F. J.
9001. House, J.
9003. Jackson, J. D.
9005. Todd, E. J. T.
9010. Giles, J. R.
9014. Reid, P. E. & A. G., & Kosseck, J. G.
9017. Roberts, J. H.
9021. Wiggs, L. H. R.

Applications Abandoned, Withdrawn, &c.

1907.

7804. *Comp.* (*Lapsed.*) Richard Wingfield Stuart, "Conrad," Hunter's Hill, N.S.W., mining engineer,

Application under Sec. 85, additional to 5762/06.

"Improved digester for use in the production of meat extract or stock."

7821. *C.a.P.* (*Lapsed.*) John Watson Henderson, 99 Goderich-street, East Perth, W.A., mechanical and consulting engineer,

"An improved tube and rubber washer for filling beer bottles having chipped & irregular necks with beer or other liquids."

7828. *C.a.P.* (*Lapsed.*) Thomas Warner, 381 Post Office-place, Melbourne, Vic., joiner, and John Kannuluik, 308-310 Queen-street, Melbourne, Vic., cabinetmaker,

"Improvements for automatically drawing off fumes and gases from water. earth, or pan closets while in use."

7863. *Comp.* (*Lapsed.*) Henry Crandon, Pembroke-street, Epping, N.S.W., ironmonger,

"An improved bit or drill."

Assignments Registered.

1904.

554. "Improved apparatus for weighing and delivering liquids."

Assigment of the whole *by* Charles Cooper *to*

J. B. MacEwan and Company Limited. Dated 14th June, 1907. Registered 16th Apr., 1908.

1905.

4128. "Improved apparatus for separating solid particles from each other."

Assignment of the whole *by* Arthur Penrhyn Stanley Macquisten *to*

Minerals Separation Limited. Dated 31st May, 1906. Registered 10th Apr., 1908.

1906.

5260. "Improved manufacture of desiccated eggs."

Assignment of all the right, title and interest of Stanley Browning Vial *made by* the said Stanley Browning Vial *to*

Horace Burrows. Dated 29th Aug., 1906. Registered 22nd Apr., 1908.

5260. "Improved manufacture of desiccated eggs."

Assignment of one-half share and interest made by Horace Burrows *to*

The Farmers & Settlers Co-operative Society Limited. Dated 28th Feb., 1908. Registered 22nd Apr., 1908.

1907.

7838. "Improvements in stump jumping agricultural implements."

Assignment of the whole *by* John Alexander Shearer *to*

James Fox Mellor. Dated 9th Apr., 1908. Registered 22nd Apr., 1908.

8074. "Improvements in acetylene generators."

Assignment of the whole *by* Nelson Goodyear *to*

J. B. Colt Company. Dated 16th Oct., 1907. Registered 16th Apr., 1908.

Licences Registered.

1906.

5788. "A tank cleaner for removing foreign matter from tanks and similar reservoirs by the process of syphoning."

Exclusive licence to use, exercise, and vend the invention for and during the residue now unexpired of the first seven years granted by the Letters Patent, in all places situate within the electorates of Drayton and Toowoomba, Cambooya, Dalby, Murilla, Maranoa, Warrego, Ballone, Buloo, Cunningham, Warwick, Carnarvon and including Mitchell Township, all in the State of Queensland, Commonwealth of Australia, *granted by* William Henry King and John Kemp *to*

William Paul Sullivan. Dated 1st Apr., 1908. Registered 22nd Apr., 1908.

6708. "An improved appliance for suffocating rabbits in burrows."

Licence to make, use, exercise, and vend the invention during the residue of the term of the Letters Patent, *granted by* Donald McLennan *to*

Albert Edward Jones. Dated 3rd Apr., 1908. Registered 14th Apr., 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8216. Pertot, G.
8343. Walker, J. H. & P.
8572. Massey-Harris Co Ltd. (Charlton)
8739. Millar, S.
8832. Taskis, D. W. L.
8840. Johnson, G., & McLaren, F. J.
8858. Chambers, L. T., & Thompson, W. E.
8947. Anglim, Kathleen
9523.*Kilborn, H. M.
10,029. Ambury, L. J.
10,271. The Royal Bank of Australia Ld. (Merton)
10,293. Le Claire, J. B. G.
10,361. Clark, R. O.
10,399. Lemoine, A.
10,424. McCray, E. I.
10,513. Brown, R.
10,570. Weyl, M.

1908.

10,609.*Mazzolini, G.
10,620. Sisterson, G. R.
10,688. Flintkote Mfg. Co. (Overbury)
10,691. Gillette, K. C.
10,727. Mortensen, O.
10,740. Callinan, A. J. (Benjamin)
10,744. Fessenden, R. A.
10,767. Beamish, J. H.
10,811. Waters, E. N. (Holbourns & Longhurst)
10,812. Waters, E. N. (Holbourns & Longhurst)
10,816. Sturgess, W. J.
10,870. de Laval, C. G. P.
10,878. Ullrich, G.
10,889. Deunert, F. A., & Cooper, J. T.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

***In the following cases the particulars have been revised or varied, and are now printed in full:—**

9523. Horace Middlebrook Kilborn, 316 West 78th-street, New York, U.S.A., banker (*assignee of* Julius Heinrich Kaesen, *act. inv.*, and Ludwig Jacob Scheidel, *act. inv.*, both of 130 Sixth-avenue, New York, U.S.A., electricians),

"Improvements in and relating to electric arc lamps."

10,609. Giuseppe Mazzolini, N. 15 *viâ* Palestro, Rome, Italy, gentleman,

"Improvements in devices for mechanically and simultaneously shutting, locking or opening a plurality of doors, hatchways, bulkheads and the like from a distant point of operation."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.1	Centrifugal speed indicator, distance recorder, &c.; lamp and bell indicators of excess speed. (56.6)	Weyl	10,570

Group 02.—Dynamo Electric Machinery.

02.8	Arc-lamp solenoid; internal motor core, and loose external annular armature. (06.2)	Kaesen	9523

Group 03.—Electric Railways and Power.

03.8	Two-circuit control for lamp cluster. (06.6)	Benjamin	10,740

Group 05.—Telegraphy and Telephony.

05.0	Distributing classified telegrams; circular actions improving 8305/07. (48.3; 50.7; 54.3; 56.2)	Lemoine	10,399
05.5	By current component, or electro-magnetic component of electro-magnetic waves	Fessenden	10,744

Group 06.—Electric Lamps.

06.2	Gravity-fed flame lamp; grooved carbon supported on points; striking solenoid, &c. (02.8)	Kaesen	9523
06.6	Two-circuit bayonet-socket lamp cluster. (03.8)	Benjamin	10,740

Group 11.—Mech. and Elec. Separation.

11.7	Annular pole (built up with adjustable rings to stratify the gap) rotates above detached poles alternating with hoppers; ore carried radially into the gaps by frictionally driven belts ...	Ullrich	10,878

Group 15.—Metallurgy in Furnaces.

15.2	Reducing iron ore; showered down the sides of a vertical retort. (16.2)	de Laval	10,870

Group 16.—Furnaces.

16.2	Vertical muffle with centrifugal ore sprinkler. (15.2)	de Laval	10,870
16.43	Three-deck roaster; rotating rabbles transfer ores in series. (16.45; 16.5; 16.8.) (Section 7, *see* Vic., 17,744/00)	Merton	10,271
16.45	Revolving finishing roaster; cam operated air openings. (16.43; 16.5; 16.8.) (Section 7, *see* Vic., 17,744/00)	Merton	10,271
16.5	Slings and brackets for rabble arms on vertical axes. (16.43; 16.45; 16.8.) (Section 7, *see* Vic., 17,744/00)	Merton	10,271
16.8	Wheeled removable fire chamber in roasting plant. (16.43; 16.45; 16.5.) (Section 7, *see* Vic., 17,744/00)	Merton	10,271

Group 24.—Domestic Heating; Cooking.

24.7	Tea pot or jug lids on vertical pivots. (57.5)	Anglim	C.a.P. 8947

Complete Specifications Accepted—*continued.*

Group 32.—Harvesting.

32.2	Reaping stripper with knife bar at root of curved fingers forming curved breast for sweeping reel. (32.3)	Charlton	C.a.P. 8572
32.2	Reaper harvesters; guiding stalks vertically; packing; draught; balancing	Millar	8739
32.3	Reaping stripper with knife bar at root of curved fingers forming curved breast for sweeping reel. (32.2)	Charlton	C.a.P. 8572

Group 33.—Tropiculture.

33.1	Clarifying sugar juice with soda-carbonate, salt, fine sand, &c. ...	Le Claire	10,293

Group 36.—Dairy Food.

36.1	Teat-cups with annular bags or alternative pair of pistons; 4 designs; relief valve; observation tube; plant diagram	Mortensen	10,727

Group 37.—Pastoral.

37.6	Rocker-bar with vertically adjusted double-ring ball-fulcrum; details	Taskis	C.a.P. 8832

Group 39.—Harness; Animal Power.

39.5	Udder-pouch attached to cow-rugs	Ambury	C.a.P. 10,029

Group 41.—Weaving.

41.9	Process; tanks, cutting rollers, &c., for waterproofed roofing. Plant diagram. (81.4)	Overbury	10,688

Group 43.—Wearing Apparel.

43.7	Single or double angle guard and guide for razors	Johnson	C.a.P. 8840

Group 45.—Furniture.

45.4	Frictional pivot for swing mirrors, &c.; divided bearing jamming by gravity. (62.4; 78.5; 78.8)	Sturgess	10,816

Group 48.—Paper; Bookbinding.

48.3	Handling, cutting, folding, counting and labelling telegrams; *see* 8305/07. (05.0; 50.7; 54.3; 56.2)	Lemoine	10,399

Group 50.—Typographic Printing.

50.5	Justifying tabular linotypes; notched assembler bar and transverse removable abutments; several modifications	Holbourns	10,811
50.5	Turning matrices having moulds on both edges, during assembly and distribution, by rifled or revolving shoots	Holbourns	10,812
50.7	Handling, cutting, folding, counting and labelling telegrams; *see* 8305/07. (05.0; 48.3; 54.3; 56.2)	Lemoine	10,399

Group 54.—Commerce.

54.3	Distributing classified telegrams; circular action improving 8305/07. (05.0; 48.3; 50.7; 56.2)	Lemoine	10,399

Group 56.—Counting, Measuring, Weighing.

56.2	Handling, cutting, folding, counting, and labelling telegrams; *see* 8305/07. (05.0; 48.3; 50.7; 54.3)	Lemoine	10,399
56.6	Centrifugal speed indicator, distance recorder, &c.; lamp and bell indicators of excess speed. (00.1)	Weyl	10,570

Complete Specifications Accepted—*continued.*

Group 57.—Packing, Compressing, Bottling.

57.5	Screwed stopper and washer for jars. (24.7)	Anglim	C.a.P. 8947
57.6	Non-return disc valve with upper screw-down closure passing through a capsule. (Section 121)	Brown	10,513

Group 62.—Power Storage.

62.4	Jamming gravity brake; roller between pivoted half bearings. (45.4; 78.5; 78.8)	Sturgess	10,816

Group 63.—Steam Power.

63.2	By-pass openings in smoke-box superheaters; 4 adaptations. (92.2; 95.1.) (Section 121)	Sisterson	10,620

Group 74.—Pipes and Fittings.

74.7	In valves with safety back ball, a wire guard for the ball; 4 applications. (74.8; 83.9)	Walker	8343
74.8	In valves with safety back ball, a wire guard for the ball; 4 applications. (74.7; 83.9)	Walker	8343

Group 76.—Cutlery; Plate.

76.1	Safety razor; adjustable and renewable flexible blade. (Section 7, *see* Vic., 20,117/03.)	Gillette	10,691

Group 78.—Structural Hardware.

78.5	Frictional pivot for swing mirrors, &c.; divided bearing jamming by gravity. (45.4; 62.4; 78.8)	Sturgess	10,816
78.8	Door fastenings operated by compressed air, &c. (91.2; 96.2) ...	Mazzolini	10,609
78.8	Friction pivot for roller blinds; divided jamming bearing or brake. (45.4; 62.4; 78.5)	Sturgess	10,816

Group 81.—Buildings, Streets, Fencing.

81.2	Concrete fence posts; reinforcement and wire attachments; 4 designs (81.8)	Chambers	C.a.P. 8858
81.4	Cutting strips of flexible material with serrated edges; packing in interlocked rolls. (41.9)	Overbury	10,688
31.4	Glass roofing; gully and ridge jointing, flashing, &c.	Beamish	10,767
81.8	Concrete fence posts; reinforcement and wire attachments; 4 designs. (81.2)	Chambers	C.a.P. 8858

Group 83.—Waterworks.

83.9	In valves with safety back ball, a wire guard for the ball; 4 applications. (74.7; 74.8)	Walker	8343

Group 85.—Mining.

85.2	Compound winch and derrick; swinging pulley for tool jigging ...	McCray	10,424

Group 86.—Sanitation.

86.4	Recessed lugs and latch for circular gully grids. (Section 121) ...	Clark	10,361

Group 90.—Wind and Flying Machines.

90.1	Propellers for lifting, in inclined pairs forward of mid section, pointing downward and backward. (92.6)	Pertot	8216

Group 91.—Ship Building.

91.2	Airtight hatchways, &c., operated by compressed air, &c. (78.8; 96.2)	Mazzolini	10,609

Complete Specifications Accepted—*continued.*

Group 92.—Marine Propulsion.

92.2	Marine steam separator; vaporizing separated water. (63.2; 95.1.) (Section 121)	Sisterson	10,620
92.6	High-speed twin propellers near midship, inclined downward to lift the bows. (90.1)	Pertot	8216

Group 94.—Cycles.

94.9	Whistle connected to automatic tyre pump. (97.85)	Deunert	10,889

Group 95.—Locomobiles.

95.1	Locó. steam separator; vaporizing separated water. (63.2; 92.2.) (Section 121)	Sisterson	10,620

Group 96.—Rolling Stock.

96.2	Carriage doors operated by compressed air, &c. (78.8; 91.2) ...	Mazzolini	10,609

Group 97.—Wheels.

97.85	Radial tyre pump in wheel; eccentric on frame. (94.9) ...	Deunert	10,889

Complete Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,873. Richard Henry QUINE, *true and first inventor*, Sandy Grove House, Eccles, Old-road, Pendleton, Manchester, Lancashire, Eng., surgeon,

Application under Sec. 121.

[Date applied for 16th Apr., 1907, being date of application in Great Britain, No. 8777/07.]

"Improvements in baths and stands for the same."

10,943. Léon GERARD, 102 Avenue de Tervueren, Brussels, Belgium, consulting engineer,

Application under Sec. 121.

[Date applied for 19th Apr., 1907, being date of application in Belgium, No. 199,414/07. Application also made in Eng.; in Luxembourg, 5th Dec., 1907, No. 7170; in Austria, 5th Dec., 1907; in Hungary, 10th Dec., 1907; in Russia, 10th Dec., 1907.]

"Improvements in or relating to apparatus for producing and utilising electrical effluvia."

11,213. Eugène CHARMAT, 18 Rue de Mogador, Paris, France, engineer,

Application under Sec. 121.

[Date applied for 17th Apr., 1907, being date of application in France, No. 379,549/07.]

"Process for decanting sparkling wines and other fermented drinks."

11,315. Robert Ernst FISCHER and Max WESCHER, both of 3-5 Sandstrasse, Elberfeld, Germany, engineers,

Application under Sec. 121.

[Date applied for 25th Apr., 1907, being date of application in Germany; application also made in Great Britain, 27th July, 1907; France, 29th July, 1907; Austria, 29th July, 1907; Hungary, 1st Aug., 1907; Belgium, 2nd Aug., 1907; Switz., 15th Aug., 1907.]

"Improvements in gumming devices for envelope, bag and like making machines."

11,316. Robert Ernst FISCHER and Max WESCHER, both of 3-5 Sandstrasse, Elberfeld, Germany, engineers,

Application under Sec. 121.

[Date applied for 18th April, 1907, being date of application in Germany; application also made in France, 25th July, 1907; Great Britain, 27th July, 1907; Belgium, 29th July, 1907; Austria, 29th July, 1907; Hungary, 1st Aug., 1907; Switz., 15th Aug., 1907.]

"Automatic disconnecting device for paper treating machines with rotatable rolls."

11,319. Edward J. ROHRBACHER, corner of G-street and Third-avenue, Blaine, Whatcom, Washington, U.S.A.,

Application under Sec. 121.

[Date applied for 22nd April, 1907, being date of application in U.S.A., No. 864,918/07.]

"Automatic air pump."

Printed Specifications Published

And for Sale at the Government Printing Office Melbourne.—Price, One Shilling each, post free.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the principal Patent Offices throughout the world, where they are open for *free* public inspection.

Copies are also donated to many Public Libraries in important centres of industry in Australasia and elsewhere, a full list being printed on page 249, with a Quarterly Consolidated List of the Specifications issued.

The following additional Specifications are available for purchase on the date of this *Journal*:—

1906.

6009. F. E. Rogers. *Spark arrester.* Class 17.8.
6118. Simes and Martin. *Hoisting device.* Class 59.1.
6143. Hull and Bernays. *Destroying weeds.* Classes 23.3; 31.5.
6178. A. W. Loone (Killworth). *Toe-clips.* Class 94.5.
6203. McDaniel and Curryer. *Shoe-lace.* Class 44.1.
6428. Sutherland and Compton. *Wire strainer.* Class 58.3.
6432. W. H. Shepherd. *Draught gear.* Classes 93.3; 93.7.
6441. Peirce and Harding. *Necktie attachment.* Class 43.6.
6461. International Specialties Co. (Kirkegaard). *Bottle stoppers.* Class 57.5.
6464. W. Webster. *Draught gear.* Class 93.7.
6469. W. McMahon. *Attachments or point bars, &c.* Class 30.3.
6478. G. G. Turri (Cheney). *Churns.* Class 36.7.
6525. C. Lewes. *Preventing accidental discharging of fire-arms.* Class 89.3.
6562. R. Pierce. *Wire strainer.* Class 58.3.
6710. R. S. Hunter. *Saddle trees.* Class 39.8.
6717. T. T. Burchell. *Fire escape.* Class 88.4.
6831. R. Z. Snell. *Mixing machine.* Classes 10.8; 18.5; 60.8.
6902. W. Thorburn. *Combination level, &c.* Class 00.4.
6906. Merrell-Soule Co. (Merrell and Others). *Recovering solids of liquids.* Classes 17.5; 28.5; 36.4; 87.1; 90.9.
6911. W. Peel. *Roasting sulphide ores.* Classes 15.1; 15.2; 16.1; 16.7; 17.1.
6916. H. McDougall. *Safety hook for traces.* Classes 39.6; 58.7.
6945. Holmgren and Brahm. *Compound telephones.* Classes 05.6; 86.8.
6953. P. Hedges (Lewis). *Bedsteads.* Class 45.2.
6971. W. G. Walker. *Paper holder and cutter.* Classes 48.3; 54.1; 86.8.
7002. Aktiebolaget Separator (Jörgensen). *Vertical shaft bearing.* Classes 36.6; 60.8; 62.8.
7051. F. A. Kjellin. *Reducing metals.* Classes 06.8; 15.5.
7108. A. D'Havé. *Beams and partition walls.* Classes 81.1; 81.2.
7118. A. J. Callinan (Kramer). *Rail joints.* Classes 98.1; 98.4.
7315. J. Mathers. *Rock drill.* Classes 85.8; 85.9.
7342. H. Howell. *Incandescent burner.* Class 23.1.
7348. Noad and Townsend. *Refining mineral oil.* Classes 09.3; 20.6; 28.5; 28.6.
7355. E. Shaw. *Tailor's hair cloth.* Classes 41.2; 43.1.

Printed Specifications Published—*continued.*

1906.

7367. C. Graaff. *Chemical fire extinguisher.* Class 88.2.
7638. A. McLean. *Wheels.* Classes 93.5; 97.83; 97.89.

1907.

7685. T. Higson. *Basket strap.* Class 57.8.
7699. G. D. Howes. *Rip-saw benches.* Classes 62.7; 80.5.
7769. S. G. Blanton. *Trousers belt.* Class 43.9.
7772. B. F. H. Dawson. *Candle protector.* Class 22.1.
7849. T. B. Brock. *Filling bags with grain.* Class 57.4.
7900. J. K. Stewart. *Animal shears.* Class 37.6.
8043. F. P. Rudder. *Charging and discharging furnaces.* Classes 16.8; 86.6.
8056. A. Gillies. *Teat-cups.* Class 36.1.
8151. E. N. Waters (Kidder and Others). *Typewriters.* Class 50.4.
8402. E. Phillips (Enochs). *Telephone systems.* Class 05.7.
8563. L. D. Ewing. *Ventilated blocks.* Classes 81.1; 81.6.
8652. R. W. Vining. *Motor cars.* Classes 60.9; 62.8; 95.7; 95.9; 96.4.
8653. H. Lavaggi. *Oil level indicator.* Classes 04.4; 60.9; 63.7; 95.9.
8713. Micklewood and Whidbourne. *Internal combustion engines.* Classes 64.2; 66.2; 66.7.
8719. F. Gold. *Steam furnaces.* Classes 16.8; 17.7.
8725. W. H. Featherstone. *Fire hydrants.* Classes 74.7; 83.7; 88.2.
8747. A. Gillies. *Pulsating teat-cups.* Class 36.1.
8779. G. Goldman. *Garment pads.* Classes 42.3; 43.1.
8780. A. O. Watts. *Weighing apparatus.* Classes 56.8; 96.3.
8789. E. Phillips (Zahn). *Roller bearings.* Classes 60.8; 93.3; 96.4.
8798. S. Concannon. *Car fenders.* Class 88.9.
8808. B. S. Philbrook. *Pictures in natural colours.* Classes 52.1; 52.4; 52.6; 53.4.
8811. H. J. Marks. *Railway couplings.* Class 96.3.
8820. G. J. Cox. *Recording differential pressure, &c.* Classes 21.6; 56.6.
8822. E. J. Hannold. *Hose couplings.* Classes 74.5; 95.1.
8844. C. A. Parsons. *Ship propulsion.* Classes 60.2; 62.4; 92.2.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.	*4th April, 1908.*			
4998	11 Jan.	W. W. Forwood	S.A.	Grinding pans	338
7566	8 Dec.	H. Braby	N.S.W.	Atomizers for liquid fuel	648
		6th April, 1908.			
7536	6 Dec.	F. E. Gard, A. R. Polley, & L. C. R. Jones	N.S.W.	Mail-bag fastener ...	646
7563	7 Dec.	E. Mill	Vic.	Loading waggons ...	253
	1907.				
7678	2 Jan.	J. W. Sutton	Qld.	Hydro-carbon lamps ...	599
8448	10 Apr.	J. L. Ohlson	S.A.	Sewing machines ...	513
9015	19 June	The Reciprocating Power & Pump Co. (Lippert)	U.S.A.	Pumps in tube wells ...	355
9082	27 June	J. Tipper	Qld.	Redwater cure	386
9125	5 July	T. H. Wilson	Qld.	Window sash adjuster ...	402
9258	18 July	D. H. Norris	U.S.A.	Ore concentration	439
9263	18 July	E. N. Waters (Farrand) ...	U.S.A.	Picture display machines ...	439
9353	29 July	H. D. P. Huizer ...	Holland	Drinking vessel of ice ...	460
9522	15 Aug.	L. B. Schenck	U.S.A.	Closures for receptacles ...	507
9569	20 Aug.	J. B. Duckett	Eng.	Gas stove burner ...	510
	1906.	*7th April, 1908.*			
7554	7 Dec.	J. W. Hicks & C. E. Press	Vic.	Lubricating vehicle axles ...	127
7560	7 Dec.	T. Williams	N.S.W.	Dental flask & clamp ...	647
	1907.	*8th April, 1908.*			
9409	6 Aug.	E. N. Waters (Ross & Jackson)	U.S.A.	Oscillating pumps ...	476
	1906.	*10th April, 1908.*			
7567	10 Dec.	W. R. Gover	N.S.W.	Spinal corselet	648
7581	12 Dec.	G. Fouillaron	France	Expanding pulleys, &c. ...	649
7610	17 Dec.	R. Beresford	Eng.	Rims for inflated tyres ...	664
	1907.				
8969	14 June	E. T. C. Firth	N.Z.	Brick moulding press ...	352
	1906.	*13th April, 1908.*			
7593	13 Dec.	H. Welsman	W.A.	Verandah tent	649

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*14th April, 1908.*			
9061	26 June	O. V. Sigurdsson ...	U.S.A.	Typecasting	370
9218	17 July	The Linotype Co. Ltd. (Hall)	Germany	Moulds for typecasting ...	424
	1906.	*16th April, 1908.*			
7612	17 Dec.	J. R. Barklem	Vic.	Bag filler	581
	1907.				
9096	1 July	J. Ward	Eng.	Tar pavement	387
	1906.	*22nd April, 1908.*			
7642	21 Dec.	J. Attwill	W.A.	Dating railway tickets ...	666
	1907.				
7691	2 Jan.	W. Snee	U.S.A.	Wave-propelled motors ...	4
7719	3 Jan.	E. J. Ruddick and W. H. Tregoning	N.Z.	Revolving fireplaces ...	6
7889	29 Jan.	D. E. Brown	W.A.	Slotted fence-dropper ...	669
7974	8 Feb.	W. J. Dibdin and H. C. Woltereck	Eng.	Illuminating, &c., gas ...	78
8044	20 Feb.	P. H. Shailer and W. Sully	N.Z.	Automatic couplings ...	745
8051	21 Feb.	E. N. Waters (Leask) ...	Eng.	Refuse destructors, &c. ...	635
9509	15 Aug.	G. G. Turri (Blaisdell & Brooks)	U.S.A.	Filter leaves	506

Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1906.				
7572	10 Dec.	J. C. Genders	S.A.	Poultry feeding	648
7611	17 Dec.	T. Flintoff	W.A.	Artificial teeth	389
7628	19 Dec.	A. C. Webber	N.S.W.	Removing tyres	665
7644	22 Dec.	I. Sutherland	Vic.	Shooting gallery... ...	494

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignment Registered.

1902.

12,732. "Improvements in convertible railway cars."

Assignment of the whole *by* John Albert Brill *to*

The J. G. Brill Company. Dated 20th Feb., 1908. Registered 22nd Apr., 1908.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,040 ...	Beale, O. C., & Vader, C. J.	3rd April, 1915
18,137 ...	Marconi's Wireless Telegraph Co. Ld.	8th May, 1915
18,187 ...	Un. Shoe Mach. Co. & Meyer	29th May, 1915

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. *When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus*—3787/*N.R.*; *or as the case may be.*

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
7028/5223 ...	Tolley, F. O., & Hill, H. J. (exrs. of W. H. Morish, deceased)	19th April, 1915
7096/5274 ...	Un. Shoe Mach. Co. & Meyer	31st May, 1915

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II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding. Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion; *Alphabetical Subject Matter Indexes* are also issued for each month at later dates. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume; they cannot be completed simultaneously with the last weekly issue for the year, and would unduly increase its bulk. If it is desired to preserve them, they are continuously paged in two sets, and may be separately bound in monthly order.

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On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
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2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
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Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
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17. Search or inspection fee ... each	0	1	0
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19 Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 8.] 1908. [No. 18.

Tuesday, 19th May.

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THE

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Notices.

Applications Received, 11,435 to 11,476.

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COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 7th to 13th May, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 7th May.

11,435. *Prov.* Edward William Thurlow, "Nyora," Bay-street, North Brighton, Vic., technical chemist and consulting rubber expert,

"An improved method of treating waste leather such as 'skivings' in order to produce therefrom sheets of leather and moulded leather goods."

11,436. *Comp.* Henry Robertson Coghill, Little Burrawong Station, Cunmock, *viâ* Molong, N.S.W., overseer and expert,

"Improvements in apparatus for fumigating the warrens of rabbits and other rodents."

11,437. *Prov.* William Alfred Bainbridge, 567 Brunswick-street, North Fitzroy, Vic., mechanical engineer,

"Improved meat hook for butchers' shops and the like."

11,438. *Prov.* William Henry, Wellington, N.Z., timber merchant,

"Improvements in window sashes."

11,439. *Prov.* Petrus Van Lanschott Alkemade, 448A Flinders-street, Melbourne, Vic., lime and cement merchant,

"An improved system for reinforced concrete work."

11,440. *Comp.* Count Gaston Chandon de Briailles, 5 rue Richepanse, Paris, France, gentleman,

"Uninflammable film for kinematographs and a process of manufacture of same."

11,441. *Prov.* Francis Henry Maxwell, Kerang, Vic., engineer,

"Means for catching gold."

11,442. *Prov.* Alfred Capper, jun., George-street, Rockdale, Sydney, N.S.W., engineer, and John Reginald Godfrey, 22 Searle-street, Petersham, N.S.W., engineer,

"An auxiliary audible railway signal."

11,443. *Prov.* Egbert Edward Kennedy, 369 Collins-street, Melbourne, Vic., company promoter,

"Improved non-refillable bottle."

Friday, 8th May.

11,444. *Prov.* John Drysdale, Dover, Port Esperance, Tas., storekeeper,

"Improvements in acetylene gas generators."

11,445. *Prov.* Aubrey Percival Gwynne, "Stoneleigh," Grange, S,A.. architect and surveyor,

"An improved garment adjuster."

11,446. *Prov.* Arthur Reginald Angus, Barry-street, Neutral Bay, N.S.W., solicitor,

"An improved device for preventing collisions between railway trains 'A'."

11,447. *Prov.* Edward Brazenall, Stanthorpe, Qld., engineer,

"Improvements in the lower tumbler gear that carries the chain of buckets in dredging machines."

11,448. *Comp.* Rice Owen Clark, Hobsonville, Auckland, N.Z., pipe manufacturer,

Application under Sec. 121.

[Date applied for 18th May, 1907, being date of Application in N.Z., No. 22,509/07.]

"Improvements relating to pipes made to stand a high internal hydraulic or other pressure or severe external pressure and to connections for same."

Applications received, 7th to 13th May—*continued.*

Saturday, 9th May.

11,449. *Prov.* Walter Dawson, Campbell-street, Collingwood, Vic., carpenter,

"An improved toasting device."

11,450. *Prov.* Ralph Falkiner, Moonbria, N.S.W., pastoralist,

"An improved shearing or clipping machine."

11,451. *Prov.* Stephen Priest, *jun.*, Devonport, Tas., architect,

"Improved apparatus for cleaning and grading seed and other like small substances."

11,452. *Prov.* Stephen Priest, *jun.*, Devonport, Tas., architect,

"An improved apparatus for sieving chaff and other analogous substances."

Monday, 11th May.

11,453. *Prov.* Leslie Camille Jeffree, 144 Olinda-street, Bendigo, Vic., pattern maker,

"Electro mechanical safeguard for trains."

11,454. *Comp.* George Turner, Highbury-street, Little Adelaide, S.A., engine-driver,

"An improved safety signalling apparatus."

11,455. *Prov.* Fritz Baumgaertner, Glen Innes, N.S.W., civil and mechanical engineer,

"Improved locomotion recorder for road vehicles."

11,456. *Prov.* Edward Seitz, 45 Agnes-street, Jolimont, Vic., engineer,

"Protector for incandescent gas mantles."

11,457. *Prov.* William Aston, 44 Charles-street, Footscray, Vic., furnace man,

"Improved apparatus for economizing fuel, preventing smoke and arresting sparks from boiler furnaces."

11,458. *Prov.* John Hamden, Macalister-street, Sale, Vic., engine-driver,

"Horizontal pump and engine combined."

11,459. *Prov.* William James Baker McDonald, 21 Mount-street, Pyrmont. N.S.W., carpenter,

"Improved cramp for cramping picture frames & various kinds of joinery work."

11,460. *Prov.* George Edward Kinnear, 62 Mary-street, Sydney, N.S.W., civil engineer,

"Kinnear patent timber pipe."

11,461. *Comp.* Thomas Edward Woodhams Noyes, director, Noyes Brothers (Sydney) Limited, No. 109 Pitt-street, Sydney, N.S.W. (*assignee of* George Warren, *act. inv.*, and John Vivian Tregoning, *act. inv.*, both of Mine Office, East Rand, Transvaal, S.Af., miners),

"Improvements in chucks for holding rock drills and the like."

Tuesday, 12th May.

11,462. *Comp.* Robert Knox, 91A Princes-street, Dunedin, N.Z., drainage inspector,

"Improved fresh air inlet, for house or other drainage."

11,463. *Prov.* Samuel Alban Harris, trading as S. A. Harris & Son, Australian Lock Works, Canterbury-road, Blackburn, Vic., lock manufacturer,

"Box striking plate for locks for rebated doors."

11,464. *Prov.* Fred Arthur Frewin, 3 Leslie-street, Auburn, Vic., marine engineer,

"Door stop."

11,465. *Prov.* Feltham Bold Watson, 55 Armadale-street, Armadale, Vic., farmer,

"A postern or wicket to a door."

Wednesday, 13th May.

11,466. *Prov.* Robert Monteith, "Wakool," Foley-street, Kew, Vic., furniture salesman,

"Adjustable parcel carrier and seat for go-cart or perambulator."

11,467. *Prov.* George Sexton Evans, Bringenbrong Station, Corryong, Vic., station manager,

"Starting barrier for race courses."

Applications received, 7th to 13th May—*continued.*

11,468. *Prov.* Robert LEMMON, carpenter, and Robert Patrick HOLMES, fitter, both of 64 Leviathan-street, Boulder, W.A.,

"Lemmon-Holmes automatic filter press."

11,469. *Prov.* Henry HADIDA, 24 Roodlane, London, Eng., merchant,

"An improved machine for affixing stamps, labels and the like."

11,470. *Prov.* Frank Gordon ROBSON, 272 Collins-street, Melbourne, Vic., amusement manager,

"An improved electrical advertising device."

11,471. *Prov.* Lawrence William GRAYSON, 414 Collins-street, Melbourne, Vic., engineer (*agent of* Christian Louis GELLERT, *act. inv.*, 45 Rue de Villiers, Neuilly, near Paris, France, merchant),

"Improvements relating to swivel bearings for shafting."

11,472. *Prov.* Lawrence William GRAYSON, 414 Collins-street, Melbourne, Vic., engineer (*agent of* William Parsonage EVANS, *act. inv.*, and David Livingstone SCHULTZ, *act. inv.*, both of 94 Market-street, Manchester, Eng.),

"Improvements in connecting rod and lubricating devices for the crank pins of loom crank shafts."

11,473. *Prov.* George Thomas BECKHAM, Toora, Vic., miner,

"Improved tin and gold saving apparatus."

11,474. *Prov.* Carl Ludwig SCHWARTZ, 7 Bridge-street, Erskineville, Sydney, N.S.W., cabinet maker,

"Air ship."

11,475. *Comp.* Gustaf Henrik Fabian BERGLUND, Odengatan 86, Stockholm, Sweden, captain, and Haldan Adolf Herman LINDENCRONA, Tegnergatan 15, Stockholm, Sweden, major,

"Improvements in automatic coupling for railway cars."

11,476. *Comp.* Jean DE ZAKOVENKO, 16 rue Antoinette, Paris, France, engineer,

"Elastic steel tyre for vehicle wheels."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

11,060. Abrams, L. G. (Cochran)
11,076. Wright, W. J., & Mooney, P. H.
11,096. Dayton, W. T.
11,113. Coleman, G.
11,185. Branchflower, H. A.
11,186. Beswicke, H. A., & Price, R. J.
11,187. Sim, W.
11,189. Bird, F. C.
11,190. Paulo, G.
11,192. Jones, F. J.
11,193. Taylor, J.
11,194. Dow, G.
11,197. Greeves, E. G.
11,198. Dawson, B. F. H.
11,199. Jones, E.
11,200. Sewell, G. W.
11,202. Chivers, G.
11,204. Dodd, J. E.
11,207. Horsley, A. C. (Elgar)
11,220. Collins, J.
11,224. Mills, G. (Corbett)
11,225. Noack, M. S.
11,229. Higson, H., & H. T.
11,230. Nicholls, B. S., & J. H.
11,234. O'Callaghan, J. H.
11,237. Greer, F. S.
11,241. Crawford, H. R.
11,242. Bourke, P.
11,244. Rosenblum, I. A.
11,247. Bridger, E., & Cromie, A. J.
11,248. Schwartz, P. (Zeunert)

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9460. Reginald Hobby, *act. inv.*, 85 Grattan-street, Carlton, Vic., mining manager, and Colin Matheson Browne, *assignee*, 43 Leopold-street, South Yarra, Vic., gentleman,

"An improved method of manufacturing boots, shoes, and the like from the skins of animals." 9th May, 1908.

9467. John William Jones, *act. inv.*, and Charles Andrewartha, *assignee*, both of Light-square, Adelaide, S.A., implement manufacturers,

"Improvements in stump jump agricultural implements." 12th May, 1908.

9475. Henry Passmore, Raleigh-avenue, North Fremantle, W.A., gentleman,

"Anti-rheumatic galvanic plate for human wear." 8th May, 1908.

10,276. Arthur Marshall McIntosh, 157 Macquarie-street north, Sydney, N.S.W., dentist,

"An improved mouth gag to be used by surgeons and dentists." 8th May, 1908.

10,437. James Eveleigh Felstead, "Hatfield House," Johannesburg, Transvaal, S. Af., advertising agent (*assignee of* Arthur E. Powell, *act. inv.*, Gilchrist & Powell Ltd., Hatfield House, President-street, Johannesburg, Transvaal, S. Af., advertising contractors),

"An improved sight-index book specially applicable for time-table purposes." 11th May, 1908.

1908.

10,950. Archibald Ernest William Watts, Mascotte, Wellington-street, Bondi, N.S.W., bricklayer,

"A composition for floors, steps, verandahs and the like." 12th May, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38

1907.

9107. Murnane, C.
9118. Adams, F. J.
9120. Fraser, D.
9122. Page, C. M.
9124. Ambrose, E.
9126. Lemay, G. F.
9127. McDonald, R. O. & C. A.
9128. Roberts, L.
9129. Florey, J.
9130. Diaphragm Milking Mach. Co. Ld. (Downing)
9135. Crawford, H. R.
9136. Evans, J. B.
9138. Johnston, A. R., & Clutterbuck, W. A.
9139. Hume, E. J. & W. R.
9147. Lawrence, Rebecca
9149. Sainsbury, R., Williams, G., & Martland, J.
9160. Bourke, P.
9164. McMullen, G.
9165. McBride, T. J.
9170. Manufacturers' Mach. Co. (Stanbon)

Assignments Registered.

1904.

145. "Improved window."

Assignment of Queensland rights *by* Aeneas John McDONNELL, Henry Arthur GODDARD, William George CHILVERS, Mark William BORTON, Henry James MARKS, Henry Augustus BOYS, John MELVIN, and George CRITTENDEN *to*

Hannah Grace WYETH, Charles CAMPBELL, Henry James MARKS, John MELVIN, Job Eagles STONE, James FITZPATRICK, THE TOOWOOMBA FOUNDRY COMPANY LIMITED, and John Theodore BANGE. Dated 30th Mar., 1907. Registered 7th May, 1908.

1905.

2582. "Improved method of hanging windows shutters or doors."

Assignment of the Queensland rights *by* Aeneas John McDONNELL, Henry Arthur GODDARD, William George CHILVERS, Mark William BORTON, Henry James MARKS, Henry Augustus BOYS, John MELVIN, and George CRITTENDEN *to*

Hannah Grace WYETH, Charles CAMPBELL, Henry James MARKS, John MELVIN, Job Eagles STONE, James FITZPATRICK, THE TOOWOOMBA FOUNDRY COMPANY LIMITED, and John Theodore BANGE. Dated 30th Mar., 1907. Registered 6th May, 1908.

1906.

5328. "Improvements in linotype machines."

Assignment of the whole *by* TORONTO TYPE FOUNDRY LIMITED *to*

LINOTYPE AND MACHINERY LIMITED. Dated 11th Mar., 1908. Registered 6th May, 1908.

6045. "An improved device for scrubbing and washing floors."

Assignment of the whole from the 9th May, 1907, *by* Sarah Jane SMITH *to*

Lewis Grant ABRAMS. Dated 12th June, 1907. Registered 11th May, 1908.

6726. "Purification of sugar juices."

Assignment of the whole *by* Henri BARTELS *to*

THE STANDARD SUGAR PROCESS COMPANY LIMITED. Dated 30th Dec., 1907. Registered 6th May, 1908.

1907.

8362. "Improvements in vapour burning apparatus."

Assignment of the whole *by* Jacob Henry MIESS *to*

EMPIRE LIGHT LIMITED. Dated 29th Feb., 1908. Registered 11th May, 1908.

8831. "Improvements in or pertaining to incandescence vapour burning apparatus."

Assignment of the whole *by* Jacob Henry MIESS *to*

EMPIRE LIGHT LIMITED. Dated 19th Mar., 1908. Registered 11th May, 1908.

9509. "Improvements in or relating to filter leaves."

Assignment of the whole *by* George Garibaldi TURRI *to*

BLAISDELL COMPANY. Dated 1st May, 1908. Registered 11th May, 1908.

9511. "Improvements in or relating to lining for grinding mills."

Assignment of the whole *by* George Garibaldi TURRI *to*

BLAISDELL COMPANY. Dated 4th May, 1908. Registered 11th May, 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8611. Lea, J. E.
8644. Moore, M., & Heskett, T. J.
8718. Bonnet, A.
8724. Draffin, J.
8787. Manufacturers' Mach. Co. (Phelan)
8788 Manufacturers' Mach. Co. (Heys)
8884. Altmann, G. A. F., & Wigzell, H. A.
8928. Moore, J. C. (Burstall)
9052. Johns, G. P. D.
9053. Caldecott, W. A.
9076. Metters, F.
9077. Torpy, H. L. J.
9091. Charley, J. J.
9615. Durant, H. T.
9894.*Wilson, J., & Timms, A.
9976. Solomon, J. I.
10,164. Cameron, M. A.
10,420. Finnis, H. L.
10,451. Waters, E. N. (Albrecht, Billington, Gantzer, Grasnick, Holliwell, Joy, Pearce, & Wich)
10,514.*The Lux Foundry Pty. Ld. (Gibson)
10,530. Benn, B. W.
10,535. Houlder Bros. & Anderson, G.

1908.

10,674. Jones, T. D., & Ringstad, H. (Henderson)
10,687. Palmer, W.
10,748. Reynolds, A. L. & G. A.
10,756. Waters, E. (Oatway)
10,766. Searle, C.
10,833. Nance, C. W.
10,898. The D. E. Syndicate Ld. (Holdsworth)
10,902. Madden, A. T. (Sandell)
10,911. Angus, C.
10,915. Bancroft Compton Realty Co. (Wilson)
10,925. Bennitt, F. (Dwight & Lloyd)
10,926. Robshaw, A.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

9894. James Wilson, railway employé, and Alfred Timms, police constable, both of 30 Marlborough-street, East Perth, W.A.,

"Expansive insertion for joints in wood paving."

10,514. The Lux Foundry Proprietary Limited, Hope-street, Brunswick, Vic., ironfounders (*assignee of* Robert Gibson, *act. inv.*, managing director),

"An improved door for cooking and heating stoves and ranges."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 00.—Science.

00.4	Recorders *as* G.B. 3000/*05*; rectifying curved functions by spiral cams. (04.0; 56.6)	Lea	C.a.P. 8611
00.7	Sagging wire temperature alarms; testing by raising contacts; several designs. (88.2; 99.7) (Section 7; *see* Vic. 18,199/*01*)	Oatway	10,756

Group 01.—Acoustics.

01.7	Wave expanding and condensing bulb in trumpet connecting tubes...	Johns	C.a.P. 9052

Group 04.—Electric Apparatus.

04.0	Recording current in solenoid; plunger coupled to spiral cam *as* G.B. 3000/*05*. (00.4; 56.6)	Lea	C.a.P. 8611

Group 06.—Electric Lamps.

06.1	Radiographing pearl shell, *as* 6000/*06*; use of net supports or marked bars to support the objects and locate the prints. (38.5; 52.1)	Solomon	9976

Group 07.—Electrolysis and Batteries.

07.6	Sulphide ore reduction; pasted anodes of coke and graphite; ebonite framed cathodes coated with plumbago and $CuCl_2$ (14.1; 14.4; 14.7)	Bonnet	C.a.P. 8718

Group 10.—Crushing and Grinding.

10.7	Dust screens on delivery side of knife wheel and elsewhere, in chaff cutters. (11.3)	Altmann	C.a.P. 8884

Group 11.—Mech. and Elec. Separation.

11.3	Dust screens on delivery side of knife wheel and elsewhere, in chaff cutters. (10.7)	Altmann	C.a.P. 8884

Group 14.—Leaching Metallurgy.

14.1	Leaching complex sulphides with salt, copperas and sulphuric acid in electrolytic vat. (07.6; 14.4; 14.7)	Bonnet	C.a.P. 8718
14.1	Treating poor sulphide ores by calcination with sulphuric acid and leaching; recovering acid. (15.2)	Holdsworth	10,898
14.4	Leaching complex sulphides with salt, alkalies, and cyanide in electrolytic vat. (07.6; 14.1; 14.7)	Bonnet	C.a.P. 8718
14.4	Continuous process developing 8130/*07*, using super-aerated solution under pressure. (14.7; 28.2)	Caldecott	C.a.P. 9053
14.7	Vats for electrolytic leaching, &c.; eccentric moved cathodes; helical stirrers. (07.6; 14.1; 14.4)	Bonnet	C.a.P. 8718
14.7	Continuous leaching plant, developing 8130/*07*. (14.4; 28.2) ...	Caldecott	C.a.P. 9053

Complete Specifications Accepted—*continued.*

Group 15.—Metallurgy in Furnaces.

15.1	Sintering and desulphurizing by air blast on travelling grate; *see* 9955/07; 2 plants. (16.45; 16.8)	Dwight	10,925
15.2	Steel process; tower reducer, dividing reducing gas between reducer tower and ore passage to smelter. (15.5; 16.37; 16.40; 17.3)	Moore	C.a.P. 8644
15.2	Treating poor sulphide ores by calcination with sulphuric acid and leaching; recovering acid. (14.1)	Holdsworth	10,898
15.5	Protecting reduced iron ore in passage to bath smelter, by reducing gas. (15.2; 16.37; 16.40; 17.3)	Moore	C.a.P. 8644

Group 16.—Furnaces.

16.37	Steel plant; gas producers, tower reducer, bath smelter, air heater, cupolas, refinery, &c. (15.2; 15.5; 16.40; 17.3)	Moore	C.a.P. 8644
16.40	Bath furnace for iron or steel; lateral gas inlets and overhead air heaters. (15.2; 15.5; 16.37; 17.3)	Moore	C.a.P. 8644
16.45	Chair connected sintering trays; see 9955/07. (15.1; 16.8) ...	Dwight	10,925
16.8	Rotary compartment wheel for sintering trays; *see* 9955/07. (15.1; 16.45)	Dwight	10,925

Group 17.—Chimneys, Fumes, Smoke.

17.3	Hot-air stove over bath smelter for direct iron or steel process. (15.2; 15.5; 16.37; 16.40)	Moore	C.a.P. 8644

Group 23.—Bunsen and Incand. Burners.

23.3	Lamp heated tailing cauterizer; oil reservoir in handle. (37.1) ...	Finnis	C.a.P. 10,420

Group 24.—Domestic Heating; Cooking.

24.2	Hingeless fall-down stove door, forming hopper entrance ...	Gibson	C.a.P. 10,514
24.5	Water jacket bath-water heater; upper storage section; internal water tubes, &c.	Metters	C.a.P. 9076

Group 27.—Beverages.

27.5	Multiple bottling machine with automatic liquid and gas pressure balancing valves; 3 designs	Torpy	C.a.P. 9077

Group 28.—Distillation and Filtration.

28.1	Pressure filters, reciprocating or rotating wire scrapers for the filter plates; continuous extrusion of material from the conical base by rotating worm	Durant	C.a.P. 9615
28.2	Conical-bottom filter for cyaniding. (14.4; 14.7)	Caldecott	C.a.P. 9053

Group 29.—Refrigeration.

29.7	Cool storage for sterilized chilled meat; periodical change and renewal of atmosphere; plant diagram	Anderson	10,535

Group 32.—Harvesting.

32.3	Supplementary frame and gear; adapting for motor or animal traction and operation. (95.5)	Charley	C.a.P. 9091

Group 35.—Meat Food.

35.3	Exhausting ejector plant for barometric vacuum; adjustable throat for impellant cooled oil; back pressure valves; expansible delivery jet; cooling tank, &c. (69.1)	Nance	10,833

Complete Specifications Accepted—*continued.*

Group 36.—Dairy Food.

36.1 Motor teat-press, spring piston and link work; rubber teat sleeve with metal guard; pulsating compound cock; teat-releaser by bascule with leak; reciprocating vacuum motor. (65.4) ... Benn C.a.P. 10,530

Group 37.—Pastoral.

37.1 Calf feeding trough with adjust-partitions; multiple coupled bails locked simultaneously Draffin C.a.P. 8724

37.1 Lamp heated tailing cauterizer; oil reservoir in handle. (23.3) ... Finnis C.a.P. 10,420

Group 38.—Fowling; Fishing; Trapping.

38.5 Radiographing pearl shell, *as* 6000/*06*; use of net supports or marked bars to support the objects and locate the prints. (06.1; 52.1) Solomon 9976

Group 43.—Wearing Apparel.

43.9 Belt with hose suspenders; spring-jaw clamp for hose Cameron 10,164

Group 44.—Boots and Shoes; Umbrellas.

44.5 Multiple heel-seat trimming press; flexible knife adjusted by gang cams. (60.1; 62.8) Phelan 8787

44.5 Sole cutting; blank clamped between revolving patterns; swivelling knife on swing arm Heys 8788

Group 50.—Typographic Printing.

50.5 Linotype machines: (1) Matrix stops for changeable magazine mouths; (2) Keyboard and escapement connexions; (3) Movable throat guides for multiple magazines; (4) Divided mould blocks for sectional tabular slugs and ejectors (four modifications); (5) Matrices with thinned margins; (6) Assembling two-letter matrices, safety ledges, &c.; (7) Trimming 2-line display linotypes (two modifications) ... Billington 10,451

Group 52.—Photography.

52.1 Radiographing pearl shell, *as* 6000/*06*; use of net supports or marked bars to support the objects and locate the prints. (06.1; 38.5) Solomon 9976

Group 53.—Amusements.

53.4 Film winder; belt-driven bobbin-film on edge; delivery from inside of roll. (60.5) Sandell 10,902

53.8 Parlour game; combination of draughts, dominoes, and chess ... Searle 10,766

Group 54.—Commerce.

54.1 Endless band of card advertisements in a cabinet moved by opening a drawer Henderson 10,674

Group 56.—Counting, Measuring, Weighing.

56.6 Recording current past loaded valve or Venturi throat; by spiral cam gear *as* G.B. 3000/*05*. (00.4; 04.0) Lea C.a.P. 8611

Group 60.—Mechanism; Lubrication.

60.1 Disconnecting press-links in boot machines. (44.5; 62.8) ... Phelan 8787

60.5 Delivering kinematograph films to the lens from the inside of the roll. (53.4) Sandell 10,902

Complete Specifications Accepted—*continued.*

Group 62.—Power Storage.

62.8 Internal strap-clutch in boot machines. (44.5; 60.1) Phelan 8787

Group 65.—Reciprocating Motors.

65.4 Tandem-cylinder vacuum motor, tappet fly-over cock-valve; linked to milking plant. (36.1) Benn C.a.P. 10,530

Group 69.—Blowers and Compressors.

69.1 Exhausting ejector plant for barometric vacuum; adjustable throat for impellant cooled oil; back pressure valves; expansible delivery jet; cooling tank, &c. (35.3) Nance 10,833

Group 81.—Buildings, Streets, Fencing.

81.5 Pivoted sash in lower hung sash in ordinary window frame with open-and-close ventilator Palmer 10,687

81.7 Wood pavement joint; netting or expanded metal bedded in artificial asphalt Wilson C.a.P. 9894

81.8 Corrugated droppers; alternate ⋂- and Z-slots on central rib, with shallow notches on edges Burstall C.a.P. 8928

Group 82.—Harbours, Foundations.

82.4 Rotary vanes on vertical crank shaft drive multiple pumps and store water for water wheel, &c. (Section 121) Reynolds 10,748

82.4 Float-boat linked to moored pontoon; pumps; accumulator; motors, dynamos, &c. Wilson 10,915

82.4 Counterpoised ball float in piled staging; duplex reversing ratchet wheel geared to dynamo Robshaw 10,926

Group 88.—Salvage, Accidents.

88.2 Electric contacts made by sagging of the wire by heat and readjustment of same after tests. (00.7; 99.7) (Section 7, *see* Vic. 18,199/01) Oatway 10,756

Group 95.—Locomobiles.

95.5 Adapting harvesters for motor operation by supplementary frame. (32.3) Charley C.a.P. 9091

Group 98.—Permanent Way.

98.2 Vertically hinged contact-treadle for directional signalling. Inclined reversible spring-plate contact-treadle Angus 10,911

Group 99.—Signalling.

99.7 Sagging wire temperature alarms; testing by raising contacts; several designs. (00.7; 88.2) (Sec. 7; *see* Vic. 18,199/01) Oatway 10,756

Complete Specifications open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

10,083. George HUTCHINSON, 132A Worcester-street, Christchurch, Canterbury, N.Z., inventor.

Application under Sec. 121.

[Date applied for 16th May, 1907, being date of application in N.Z., No. 22,833/07.]

"An improved holder for the closure caps of pneumatic valves."

11,143. Frederick Charles THOMPSON, 149 Chester-street, Christchurch, N.Z., inventor,

Application under Sec. 121.

[Date applied for 13th May, 1907, being date of application in N.Z., No. 22,814/07.]

"Improved mechanism for operating venetian blinds."

11,448. Rice Owen CLARK, Hobsonville, Auckland, N.Z., pipe manufacturer,

Application under Sec. 121.

[Date applied for 18th May, 1907, being date of application in N.Z., No. 22,509/07.]

"Improvements relating to pipes made to stand a high internal hydraulic or other pressure or severe external pressure and to connection for same."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne: price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

5800 to 5999. Vol. 30. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—5803-4, 5812, 5833-5, 5838-9, 5853, 5860-3, 5886-8, 5893, 5902, 5910, 5931-6, 5949, 5963, 5970.

1906.

6770. E. W. Jungner. *Galvanic elements.* Class 07.1.

7570. Hill and Blain. *Mitre box.* Class 80.7.

7651. Fitzmaurice and Wilson, executors of Smith (*deceased*). *Carbonating liquids.* Class 27.3.

7655. E. H. A. Lambert. *Railway points, &c.* Class 98.2.

7673. J. L. Campbell. *Stripper combs.* Class 32.3.

1907.

7678. J. W. Sutton. *Pressure to oils for lamps.* Classes 22.4; 23.3.

7858. G. Andrew. *Tyre for bicycles, &c.* Class 97.81.

7889. D. E. Brown. *Slotted dropper.* Class 81.8.

8044. Shailer and Sully. *Automatic couplings.* Class 96.3.

8051. E. N. Waters (Leask). *Refuse destructors.* Classes 16.7; 16.8; 86.6.

8083. A. J. Petter. *Ore crushing.* Classes 10.4; 10.5.

8095. T. A. Quayle. *Target.* Class 89.5

8129. W. Duncan. *Cyaniding gold ores.* Classes 14.4; 14.7; 28.1.

8203. W. Elson. *Collection and conservation of fresh water.* Class 83.1.

8262. Frances M. Mead. *Underskirt and bodice.* Class 43.3.

8410. Società Anonima per Griglie E. Forni Virgili (Virgili). *Furnaces.* Classes 16.8; 17.7.

8415. G. H. Griffiths. *Windmills.* Class 90.7.

8580. E. L. Wood. *Pump connection.* Class 97.85.

8689. R. R. Allen. *Loading sensitized plates.* Classes 52.1; 52.4.

8969. E. T. C. Firth. *Moulding bricks or soap.* Classes 10.1; 10.8; 19.1; 25.1; 60.1; 60.3.

Printed Specifications Published—*continued.*

1907.

8973. F. T. BOYS. *Fencing standards.* Class 81.8.
8987. NOSWORTHY and PRESCOTT. *Bottle stoppers.* Class 57.5.
8998. J. MARSH. *Acetylene generators.* Classes 10.1; 21.89; 74.8.
9019. D. F. CAMPBELL. *Incandescent lamp bulbs.* Class 06.4.
9063. H. AND K. GOLDSCHMIDT (GOLDSCHMIDT and LANGE). *Clamping railway rails, &c.* Classes 15.4; 72.1; 98.1.
9082. J. TIPPER. *Redwater cure.* Class 87.1.
9088. A. J. BAKER. *Crutch.* Class 87.4.
9115. THE NEW AUSTRALIAN RIFLE CO. PTY. LTD. (MUES and MATTHEWS). *Magazine rifles.* Class 89.3.
9158. L. RUDEMANN. *Connecting driving belts.* Classes 47.3; 56.4; 62.7.
9239. A. T. BROCH. *Life-saving apparatus.* Classes 88.7; 91.2; 91.4; 92.6.
9261. INGERSOLL-RAND CO. (GIBSON). *Track channellers.* Classes 69.4; 74.7; 85.4; 85.7; 95.5; 95.9.
9302. J. BRUYÈRE. *Brushes for flooring.* Classes 25.9; 75.6.
9352. W. A. MITCHELL. *Steel casks, &c.* Classes 57.2; 74.8; 78.5.
9440. J. B. MUNRO. *Plough share.* Class 30.3.
9461. C. P. SEPPELT. *Ploughing sower, &c.* Classes 30.5; 30.9; 31.1.
9469. P. RABBIDGE. *Electric secondary cell.* Classes 07.1; 07.3.
9485. H. VON CELSING. *Milking machines.* Class 36.1.
9622. F. HIRSCH. *Cleaning petroleum burners.* Class 23.3.
9776. H. L. HARTENSTEIN. *Carbide.* Class 08.2.
9778. H. L. HARTENSTEIN. *Carbide.* Class 08.2.

Amended Specification.

1906.

6570. J. TILLY. *Draught gear for strippers, &c.* Class 32.3.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1906.		*6th May, 1908.*		
7537	6 Dec.	J. Potts...	Qld.	Measuring s.g. of liquids ...	546
	1907.				
8262	19 Mar.	Frances M. Mead ...	Vic.	Underskirt and bodice ...	761
8851	29 May	W. G. Gaston	Vic.	Disc cultivators	297
9220	17 July	Linotype Co. Ltd. (in liquidation) (Mergenthaler)	U.S.A.	Linotype machines ...	425
9425	7 Aug.	Mergenthaler Linotype Co. (Rogers)	U.S.A.	Linotype machines ...	476
9480.	13 Aug.	Ransome-International Conduit Co. (Ransome)	U.S.A.	Moulding material into conduits	492
			7th May, 1908.		
9006	19 June	A. F. Conery	U.S.A.	Delivering soap wafers ...	354
9121	4 July	Marcus Clark & Co. (Mills)	N.S.W.	Extending sofa	402
9217	17 July	The Linotype Co. Ld. (Holliwell)	Eng.	Linotype moulds, &c. ...	424
9219	17 July	The Linotype Co. Ld. (Lock, Barr, Lewis, & Hughes)	Eng.	Linotype matrices ...	425
9222	17 July	The Linotype Co. Ld. ...	Eng.	Linotype machines ...	425
9510	15 Aug.	I. M. Hackney	U.S.A.	Cold tyre setting... ...	506
9516	15 Aug.	R. L. Lloyd	Mexico	Refining metals	507
9526	15 Aug.	Moon-Hopkins Billing Mach. Co. (Hopkins)	U.S.A.	Calculating machine ...	507
9575	21 Aug.	The Lithographic Stone & Marble Co. Ld. (Thom)	Eng.	Artificial stone or marble ...	510
9576	21 Aug.	G. T. Bethune-Baker (Shepherd)	Eng.	Vehicle wheel	510
9677	4 Sept.	"Z" Elec. Lamp Synd. Ld. (Zerning)	Germany	Incandescent lamp filaments	544
9734	10 Sept.	F. G. Cottrell	U.S.A.	Sulphuric acid	560
9752	12 Sept.	F. Meyer	Germany	Coating cigar ends ...	578
			9th May, 1908.		
7769	11 Jan.	S. G. Blanton	Qld.	Trousers belt	617
8019	16 Feb.	G. Clark	Vic.	Construction of walls ...	745
8059	21 Feb.	A. W. Stone	Vic.	Measuring hides, &c. ...	728
9083	28 June	F. Wattne (Söiland) ...	Norway	Preserved food tins ...	386
9146	8 July	G. S. Stevenson.... ...	N.Z.	Water wheels	403
9674	4 Sept.	S. German	U.S.A.	Fire extinguishers ...	544

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page
	1907.	*9th May, 1908*—continued.			
9731.	10 Sept.	E. B. Mower & E. Johnson	U.S.A.	Floats	560
9737	10 Sept.	Scott Electrical Co. (Scott)	U.S.A.	Flaming arc lamps ...	560
9799	18 Sept.	T. A. Smith	Eng.	Driving pulleys, &c. ...	580
9857	25 Sept.	F. Fraser (Mazlin) ...	Qld.	Pick heads	597
		12th May, 1908.			
8196	7 Mar.	K. H. Strickland ...	Vic.	Agricultural implements ...	833
8869	31 May	E. Cohen	S.A.	Mat protectors	337
9421	7 Aug.	J. A. Traylor	U.S.A.	Shaking ore screen ...	476
9488	13 Aug.	The Brit. Westinghouse E. & M. Co. Ld. (Sweet)	Eng.	Electrical transmission circuits	492
9533	15 Aug.	H. F. Hanson (Beaubien)...	U.S.A.	Treating the scalp ...	508
9544	16 Aug.	W. P. Kidder	U.S.A.	Typewriting machine ...	508
9545	16 Aug.	W. P. Kidder & C. W. Sponsel	U.S.A.	Typewriting machine ...	508
9546	16 Aug.	W. P. Kidder & C. W. Sponsel	U.S.A.	Typewriting machine ...	509
9547	16 Aug.	W. P. Kidder & C. W. Sponsel	U.S.A.	Typewriting machine ...	509
9562	20 Aug.	R. O. Clark	N.Z.	Inspection inlet to pipes, &c.	509
9668	3 Sept.	T. H. Gribben	Vic.	Swingletrees, &c. ...	617
9682	4 Sept.	N. S. Bök	Sweden	Shaft and journalling ...	545
9683	4 Sept.	N. S. Bök	Sweden	Journalling devices ...	545
9684	4 Sept.	C. M. Chamberlain ...	U.S.A.	Extraction apparatus ...	545
9839	23 Sept.	J. Hylard	Vic.	Magazine rifles	797
9908	3 Oct.	G. G. Turri (Rippin) ...	Eng.	Dough moulding... ...	746

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899"

Assignment Registered.

1901.

11,234. "Improvement in and connected with ventilation by window openings."

Assignment *by* Joseph William Gilbert ALFORD and Bridget Catherine MARTIN of a $\frac{3}{4}$ share and of a $\frac{1}{4}$ share *to*

William Henry Craine HARRISON and Joseph William Gilbert ALFORD respectively. Dated 4th Oct., 1906. Registered 7th May, 1908.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Assignment Registered.

1901.

18,371. "Improvement in and connected with ventilation by window openings."

Assignment *by* Joseph William Gilbert ALFORD and Bridget Catherine MARTIN of a $\frac{3}{4}$ share and of a $\frac{1}{4}$ share *to*

William Henry Craine HARRISON and Joseph William Gilbert ALFORD respectively. Dated 4th Oct., 1906. Registered 7th May, 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1900.

No.	Name.	Paid up to –
5497 ...	Kitson Lighting & Heating Co. of Qld. Ltd.	21st May, 1914
5498 ...	Kitson Lighting & Heating Co. of Qld. Ltd.	21st May, 1914

1904.

7701 ...	Marsh, R. F. ...	27th May, 1912

Assignments Registered.

1901.

6155. "Improvement in and connected with ventilation by window openings."

Assignment *by* Joseph William Gilbert ALFORD and Bridget Catherine MARTIN of a $\frac{3}{4}$ share and of a $\frac{1}{4}$ share *to*

William Henry Craine HARRISON and Joseph William Gilbert ALFORD respectively. Dated 4th Oct., 1906. Registered 7th May, 1908.

1903.

7565. "Improved window."

Assignment of the whole *by* Aeneas John McDONNELL, Henry Arthur GODDARD, William George CHILVERS, Mark William BORTON, Henry James MARKS, Henry Augustus BOYS, John MELVIN, and George CRITTENDEN *to*

Hannah Grace WYETH, Charles CAMPBELL, Henry James MARKS, John MELVIN, Job Eagles STONE, James FITZPATRICK, THE TOOWOOMBA FOUNDRY COMPANY LIMITED, and John Theodore BANGE. Dated 30th Mar., 1907. Registered 11th May, 1908.

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464 When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/NR.; or as the case may be.

Assignment Registered.

1901.

7194/5349. "Improvement in and connected with ventilation by window openings."

Assignment *by* Joseph William Gilbert ALFORD and Bridget Catherine MARTIN of a $\frac{3}{4}$ share and of a $\frac{1}{4}$ share *to*

William Henry Craine HARRISON and Joseph William Gilbert ALFORD respectively. Dated 4th Oct., 1906. Registered 7th May, 1908.

WESTERN AUSTRALIA.

PROCEEDINGS UNDER THE WESTERN AUSTRALIAN PATENTS ACTS, 1888 TO 1894.

Renewal Fee Paid.

1904.

No.	Name.	Paid up to—
4855 ...	Marsh, R. F.	31st May, 1911

GEORGE TOWNSEND,
Commissioner of Patents.

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Vol. 6.—Applications and Proceedings, 1907

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I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

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On acceptance of complete specification	2	0	0
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On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
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7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
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Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
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17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
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20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

Vol. 8.] 1908. [No. 19.

Tuesday, 26th May.

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THE Australian Official Journal of Patents.



Notices.

Applications Received, 11,477 to 11,541.

Commonwealth Proceedings.

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The following publications are on sale at the Government Printing Office, Melbourne:

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Patents Act 1906		3d.
Statutory Rules 1904, No. 70		1s. 6d.
Commonwealth of Australia Gazettes—Patent Office Special Numbers. Nos. 34, 49, 52, 56, 60, 69, 72 of 1904; No. 2 of 1905	each	4d.
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Application Forms according to the Schedules to the Patents Act 1903, Trade Marks Act 1905, Designs Act 1906, and Copyright Act 1905 may be obtained on application at the Department of Patents, Rialto, Collins-street, Melbourne.

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The Australian Official Journal of Patents

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VOL. 8.] 26TH MAY, 1908. [No. 19.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 14th to 20th May, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 14th May.

11,477. *Prov.* Edward Hope KIRKBY, 120 Bathurst-street, Sydney, N.S.W., electrician,

"Improved apparatus for conveying an alarm from premises where sprinklers are installed to a distant station."

11,478. *Comp.* Albert VAN DER STICHELEN, Rue du Patin, Ghent, Belgium, engineer,

"Improvements in flexible tyres for the wheels of vehicles of all kinds."

11,479. *Prov.* Henry Thomas SHELTON, Zoe-street, Bunbury, W.A., grocer,

"Folding wire cut appliance for dividing up bulk butter."

11,480. *Prov.* Joseph Anthony ELLIOTT and Henry REYMOND, both of Cuballing, W.A., implement manufacturers,

"Homing springs for coulters, tines or hinged beams of cultivators."

11,481. *Comp.* William John COPLESTONE, 53 Chiddingstone-street, Parsons Green, Fulham, London, Eng., engineer,

"Improvements in railways."

11,482. *Prov.* William MANNING-HILL, Mouatt-street, Fremantle, W.A., electrical engineer,

"Improved system of and electro mechanism for street fire alarms."

11,483. *Prov.* Charles John GOOD, 181 Stirling-street, Perth, W.A., accountant, and Frank O'Connor FITZGERALD, Marmion-street, North Perth, W.A., ironmonger,

"Improved disjointable broom and clamp therefor."

11,484. *Prov.* Simon TREZISE, Brown Hill, Kalgoorlie, W.A., engineer,

"An improved method of ventilating mines, applicable also to ships and buildings."

11,485. *Comp.* THE LAMSON PARAGON SUPPLY COMPANY LIMITED, Paragon Works, Canning Town, London, Eng., maunfacturers, and George Heath ROBINSON, *act. inv.*, 5 Bedford-road, Crouch End, London, Eng., a representative of said company.

Application under Sec. 121.

[Date applied for 14th June, 1907, being date of application in Great Britain, No. 13,823/07.]

"Improvements in document files or binders."

11,486. *Prov.* Agnes Clara DUNCAN, "Lenzie," Aphrasia-street, Newtown, Geelong, Vic., inventor,

"Utensil for stirring, mixing and scraping in cooking operations."

11,487. *Comp.* John Francis HOLLOWAY, station manager, and Howard Alfred GILES, tank sinker, both of Kiacatoo, near Condobolin, N.S.W.,

"Improvements in earth scoops."

11,488. *Comp.* Maurice George NEWBOULD, Coote-road, Napier, Hawkes Bay, N.Z., electrician,

"An improved automatic cut-out for electrical conductors."

11,489. *Comp.* Ferdinand BURCHARTZ, 295 5th-avenue, Manhattan, New York, U.S.A., architect,

Application under Sec. 121.

[Date applied for 25th May, 1907, being date of application in U.S.A., Serial No.

Applications received, 14th to 20th May—*continued.*

375,757/07, Grant No. 875,318, patented 31st Dec., 1907.]

"Improvements in floorings."

11,490. *Prov.* Charles William MARSHALL, 25 Haines-street, North Melbourne, Vic., wire weaver,

"An improved window sash holder and fastener."

11,491. *Prov.* William BRADLEY, 346 Elizabeth-street, Melbourne, Vic., gas engineer,

"An improved portable acetylene lamp."

11,492. *Prov.* Frank RUSSELL, Spring-street, Sydney, N.S.W., publisher,

"Automatic switch and signal for railways."

11,493. *Prov.* Edward MARTIN, c/o John Swan, Byron, Inverell, N.S.W., gardener,

"Grass cutter."

11,494. *Prov.* Percy John GARGETT, Crows Nest, Qld., postmaster.

"Improved method and apparatus for cleaning the bottom and sides of ships without docking."

11,495. *Comp.* George Montague BOWSER, Harcourt-street, Valley, Qld., contractor,

"Improved method of and apparatus for hardening freestone or sandstone."

Friday, 15th May.

11,496. *Prov.* Albert Edward HARRIS, 197 Nott-street, Port Melbourne, Vic., tramway employé,

"Hat, coat and umbrella holder."

11,497. *Prov.* George PETRIE, 580 Elizabeth-street, Melbourne, Vic., manufacturer of tinware,

"An improved liquid or semi liquid strainer."

11,498. *Prov.* William Gilmer COWEN, 103 Edward-street, Brisbane, Qld., lamp manufacturer,

"An improved method and apparatus for destroying prickly pear and other vegetable growths."

11,499. *Comp.* RHEINISCH-NASSAUISCHE BERGWERKS- & HÜTTEN-ACTIEN-GESELLSCHAFT, Stolberg, Rhenish Prussia, Germany, mine-owner and smelter (*assignee of* Felix VON SCHLIPPENBACH, *act. inv.*, Binsfeldhammer, Rhenish Prussia, Germany, director),

Application under Sec. 121.

[Date applied for, 13th June, 1907, being date of application in Germany.]

"Process for extracting zinc from zinciferous materials."

11,500. *Comp.* Arthur John Lewis ECKERSLEY, 628 Bourke-street, Melbourne, Vic., manufacturing chemist,

"An improved holder for use whilst sharpening sheet metal razor blades."

Saturday, 16th May.

11,501. *Prov.* George William GREEN, Lion's Lair, Woy Woy, N.S.W., carpenter,

"Change speed gearing."

11,502. *Prov.* Guy Robert ANDREW, "Illawarra," Malvern-avenue, Chatswood, N.S.W., mining expert,

"Improvements in dress cutting charts."

11,503. *Prov.* Clement George TUSON, and Hugh Robert BLACKETT, both of Young, N.S.W.,

"Improvements in water tanks."

11,504. *Prov.* David NABLE, Yule-street, Dulwich Hill, N.S.W., tailor,

"Improvements in axle fittings for road vehicles."

11,505. *Comp.* Francis John NEWBERRY, Victoria Foundry, James and Virginia streets, Geelong West, Vic., ironfounder,

"Improvements in cast iron frames for washing coppers."

11,506. *Prov.* Cornelius MURNANE, 20 Queensberry-street, North Melbourne, Vic., agricultural machinist,

"Improved swingletree."

11,507. *Prov.* Edward MEYERS, 249 Adderley-street, West Melbourne, Vic., hawker,

"Improvements in portable cooking outfits."

Applications received, 14th to 20th May—*continued.*

Monday, 18th May.

11,508. *Comp.* William Carter BRAY, Ella-street, Parkside, S.A., printer,

"An improved case or cover and back for cartnote books and the like."

11,509 *Prov.* Robert McEWEN, Bakers Creek, Mackay, Qld., farmer,

"Thimble or cap to crew down on to a washer resting on collar around neck of bottle or jar."

11,510. *Comp.* Archibald Clark ANDERSON, Stirling Point, Bluff, N. Z., farmer,

"Improved agricultural implement."

11,511. *Comp.* THE SUN POWER COMPANY, 127 Market-street, Camden, New Jersey, U.S.A., and 3400 Disston-street, Tacony, Philadelphia, Penn., U.S.A. (Charles Schenck BRADLEY, *act. inv.*, 41 Park-row, New York, U.S.A.),

"Improvements in utilizing solar heat and in apparatus therefor."

11,512. *Prov.* Henry James MARKS, Margaret-street, Toowomba, Qld., architect,

"Improvements in building construction."

11,513. *Prov.* Walter PIKE, 83/91 Queen-street, Brisbane, Qld., director,

"An attachment for foot wear for absorbing or extracting electricity from the earth."

11,514. *Prov.* Svend HARTMANN, The Rialto, Collins-street, Melbourne, Vic., manager,

"Improved cream pump."

11,515. *Comp.* Ernst SCHÖNBERG, Bokeloh, near Wunstorf, Hanover, Germany, engineer,

"Improved means for preventing damage or breakage of the working parts of grinding or crushing machines."

11,516. *Comp.* Henry Chisholm OSBORN, 6407 Euclid-avenue, Cleveland, Cuyahoga, Ohio, U.S.A., manufacturer,

Application under Section 121.

[Date applied for, 22nd July, 1907, being date of application in U.S.A. Application also made in Eng., 7th Feb., 1908; France, 24th Feb., 1908; Germany, 24th Feb., 1908; Italy, 24th Feb., 1908.]

"Mechanism for assembling and distributing type."

11,517. *Prov.* Perceval Manfield NEWTON, 437 Collins-street, Melbourne, Vic., patent attorney (*nominee of* Louis FOOKS, *act. inv.*, A.M.P. Chambers, Launceston, Tas., mining engineer).

"Improvements in and relating to means for concentrating finely divided ores."

11,518. *Prov.* David Curle SMITH, Piccadilly, Kalgoorlie, W.A., consulting electrical engineer,

"Improved compensator for overcoming variation of length in railway signal and other pull wires."

11,519. *Comp.* George Clark RICHARDS, 1417 Ashby-avenue, Berkeley, Alameda, Cal., U.S.A., mining engineer,

"Fume condensing apparatus."

11,520. *Prov.* George John BONES, 299 Elizabeth-street, Melbourne, Vic., manufacturer and agent,

"An improved hair drier for ladies' hair."

11,521. *Comp.* Knut Edward FRYKLIND, Valhallavägen 27, Stockholm, Sweden, chemical engineer,

"Improvements in plants for treating nightsoil and the like by means of quick-lime."

11,522. *Prov.* Thomas BARRETT, "Bay View," Bay-road, Sandringham, Vic., commission agent,

"Improved washing machine."

Tuesday, 19th May.

11,523. *Comp.* Louis Henry RAW, "Macaquece," Molesey Park-road, East Molesey, Surrey, Eng., and Robert SUMNER, The Lodge, Somers-road, Farncombe, Surrey, Eng., inventors,

"Improvements relating to the treatment of ramie and other similar substances."

11,524. *Comp.* George Garibaldi TURRI, 364-366 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* Creighton CHURCHILL, *act. inv.*, 514 Harvard-street, Brookline, Mass., U.S.A., ensign in the U.S. Navy),

"Improvements in separators or classifiers."

Applications received, 14th to 20th May—*continued.*

11,525. *Comp.* Henry George Braybrooke, 65 Woodland-road, Handsworth, Staffordshire, Eng., clerk,

"Improvements in wire netting and in the manufacture thereof."

11,526. *Prov.* Victor Charles John Nightingall, 430 Bourke-street, Melbourne, Vic., electrical engineer,

"Improvements in apparatus for lighting and extinguishing street and other gas lights from a distance."

11,527. *Prov.* George Page, Gheringhap-street, Geelong, Vic., engineer,

"An apparatus which automatically shuts off steam and applies the air brake to a train when its locomotive runs past a signal set at danger."

11,528. *Comp.* Clara A. Rickards, Portland, Multnomah, Oregon, U.S.A., manufacturer's agent,

"Improvements in curling irons."

11,529. *Prov.* Stephen Priest (*jun.*), Devonport, Tas., architect,

"Improvements in and relating to the construction of the walls of buildings."

11,530. *Prov.* Stephen Priest, (*jun.*), Devonport, Tas., architect,

"Improved apparatus for feeding animals at a prearranged time."

11,531. *Comp.* Theodore DeCue Palmer, civil engineer, and Adon Julia Hoffman, merchant, both of White Memorial Building, Syracuse, Onondaga, New York, U.S.A.,

"Improvements in steam clothes presses."

11,532. *Comp.* Muriel Mary Sutherland Binney, St. Clair, Elizabeth Bay, N.S.W., married woman,

Application under Sec. 85, additional to 10,040/07.

"Improved folding bassinet or cot."

11,533. *Prov.* Robert Sands, George-street, Sydney, N.S.W., manufacturing stationer (*assignee of* Joseph Roberts, *act. inv.*, Druitt-street, Sydney, N.S.W.., engineer,

"A new or improved clamp or binder for a counter check book."

11,534. *Prov.* William George Clark, Albert Coffee Palace, Geelong, Vic., metalworker,

"Copperising iron."

Wednesday, 20th May.

11,535. *Comp.* Frank Shuman, chemist, and Constantine Shuman, mechanical engineer, both of 3400 Disston-street, Tacony, Philadelphia, Penn., U.S.A.,

"Improvements in the process of and apparatus for extracting grease and potash salts from wool."

11,536. *Prov.* James Dowson Jackson, *act. inv.*, 10 Green-street, Windsor, Vic., plumber, and William Henry Clarke, *assignee*, 31 Eastern-arcade, Melbourne, Vic., managing clerk,

"An improved apparatus for producing hot showers for baths or other purposes."

11,537. *Prov.* Alcock & Co., Proprietary Limited, 155 Elizabeth-street, Melbourne, Vic., billiard-table manufacturers (*communicatee of* Charles H. Matthews, *act. inv.*, Lower Cuba-street, Wellington, N.Z., manager),

"Improvements in and relating to the cushion rails of billiard tables."

11,538. *Prov.* John Dodimeade Caldwell, 2 Riverview-terrace, Indooroopilly, Qld., civil engineer,

"Improvements in turning all types of three or four wheel vehicles and braking same."

11,539. *Prov.* John Dodimeade Caldwell, 2 Riverview-terrace, Indooroopilly, Qld., civil engineer,

"Improvements in turning, braking, driving and steering motor vehicles."

11,540. *Comp.* Thomas Ignatius Yourelle, Harcourt's Buildings, Lambton Quay, Wellington, N.Z., architect, and John Bellingham, Featherston-street, Wellington, N.Z., importer.

"Improvements in ferro-concrete and fireproof construction."

11,541. *Prov.* John Hazard, master mariner, and Henry Fairclough, lighthouse-keeper, both of 183 Hereford-street, Christchurch, N.Z.,

"An improved construction of cover or pad for bicycle saddles and the like."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

11,050. Callinan, A. J. (Arbuckle)
11,056. Sutton, J.
Improvements in the production of edible compounds.
11,136. Little, D.
An improved velocipede having one or more wheels.
11,141. Mangnall, J.
11,161. Tyree, W.
11,182. Vandenberg, J. M.
Improvement for producing a naked flame for lighting cigars, pipes, and the like for use in bars of hotels, cafés, and other places, and applicable as an advertising medium.
11,195. Munt, F. W.
11,208. Murdoch, J., & Daglish, T.
11,222. Walker, G. W.
11,232. Gunn, A.
11,233. Kempster, G. J.
11,255. Hannen, H.
11,258. Nesbitt, Eda
11,259. Nesbitt, Eda
11,262. Bourke, J. E.
11,263. Austin, T. R. L.
11,264. Thomson, W. A.
11,265. McIvor, F.
11,266. McKenney, J.
11,267. Loft, E.
11,272. Wears, W. E. L.
11,276. Genders, E. B.
11,297. Offord, H. T.
11,282. Jellbart, F. S.
11,283. Bronner, A. F., & Quick, A. A.
11,285. Gillies, A.
11,290. Bolton, A. J. J.
11,291. Swan, J.
11,292. Wattson, C. J.
11,293. Webster, W.
11,295. Ireland, J. S.
11,296. Williams, H. & H.
11,298. Sanders, C. E.
11,301. Browne, S. J., & Stone, E. G.
11,306. Waldon, W. E.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9212. Giles Edgar Forward, 65 Howick-street, Launceston, Tas., and William Joseph Bird, 16 Mulgrave-street, Launceston, Tas., builders and contractors,

"Improved apparatus for teaching the use of the rifle." 15th May, 1908.

9491. Charles Edwin Grayson and Alec Cecil McGlew, both of Great Boulder Proprietary Gold Mine Limited, Boulder, W.A., electricians,

"An electric bell system of signalling for use in mines and underground work. 14th May, 1908.

9493. Felix Caldwell and Norman Laurie Caldwell, both of Hughes-street, North Unley, S.A., engineers,

"Improvements in and connected with driving and steering motor propelled vehicles." 14th May, 1908.

9500. Allan Butters, Victoria-street, Footscray, Vic., pattern maker,

"An improved gold saving machine." 15th May, 1908.

9552. Arthur Houghton Russell, 276 City-road, South Melbourne, Vic., manufacturer,

"An improved silo." 15th May, 1908.

9524. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer (*assignee of* Andrew Eppler, *act. inv.*, Allston, Suffolk, Mass., U.S.A., inventor),

"Improvements in or relating to sole leveling machines." 19th May, 1908.

9525. United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer (*assignee of* Andrew Eppler, *act. inv.*, Allston Suffolk, Mass., U.S.A., inventor),

"Improvements in or relating to machines for preparing welts." 19th May, 1908.

10,553. George Henry Olding, Gordon and Newcombe streets, Paddington, N.S.W., coach-builder,

"Improvements in spring tip carts specially useful as garbage carts." 20th May, 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

9559. James Anne Bannister, "Boongarie," Queen-street, Mosman, N.S.W., domestic duties,

"An improved frame or stand usable with gas and other heating stoves or ovens." 19th May, 1908.

9630. Arthur William Spinks, Goorambat, Vic., farmer,

"An improved liquid compound for cleansing the barrels of ordnance and hand fire-arms." 18th May, 1908.

1908.

10,867. Joseph Bartlett Davies, 330 Flinders-lane, Melbourne, Vic., accountant, and Harcourt Bell, 12 Sturt-street, South Melbourne, Vic., engineer,

"Improvements in a machine for forming enlarged or extended heads upon nails and the like." 16th May, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

9175. Walkerden, W.
9177. Langenberger, A. H. C.
9178. Rowe, A., and Petrie, A. E.
9186. Bland, L. N.
9187. Christensen, J. P.
9189. Marks. M.
9191. Chaplain, J.
9195. Barger, W. G.
9196. Adair, A.
9198. Ebbs, J.
9200. Peter, J., J., & W. D.
9202. Bland, H.
9206. Jeffs, R. H.
9210. Golding, H. S.
9213. Dannhardt, F. H.
9228. Kernich, J. F. G.
9229. McLeod, A.
9231. Stevens, A. C.
9233. Davis, J. H.
9241. McBride, T. J.

Applications Abandoned, Withdrawn, &c.

1907.

10,090. *Comp.* (*Withdrawn.*) John Harvey, *act. inv.*, Bendigo, Vic., engine-driver, and Horace White Pedler, *assignee*, Castlemaine, Vic., bookseller and stationer,

"Improvements in safety devices for lifts and shafts."

Assignment Registered.

1906.

6341. "Improved chimney top and ventilator."

Assignment of the Queensland rights *by* Aeneas John McDONNELL, Henry Arthur GODDARD, William George CHILVERS, Mark William BORTON, Henry James MARKS, Henry Augustus BOYS, John MELVIN, and George CRITTENDEN *to*

Hannah Grace WYETH, Charles CAMPBELL, Henry James MARKS, John MELVIN, Job Eagles STONE, James FITZPATRICK, THE TOOWOOMBA FOUNDRY COMPANY LIMITED, and John Theodore BANGE. Dated 30th Mar., 1907. Registered 13th May, 1908.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8769. Reed, C. A. D.
8911. Dennis, H.
8920. Faul, J. W.
8958. Richardson, D. & Gillespie, R.
8982. Little, G. C.
8999. Bert, C. J.
9072. Dinning, W. J.
9074. Palmer, W.
9026. Hale, G. R.
9119. Schroeder, E. S.
9123. Storey, W. J. & G., McGregor, G., & Higgs, W. G.
9188. Coughlan, W., & Leech, T.
9242. The Rankin Lubricating Valve Co. (Rankin)
9262. Un. Shoe Mach. Co. (Bates, Jerram, & Gouldbourn)
9347. Kilgour, E. C.
9410. Prolongeau, J.
9438. Robson, G.
9538.*Philips, W. J.
9611. Green, W. J.
9727. Bartle, W., Trimmer, P., & Packham, W.
9850. Schmidt, P., & Desgraz, A.
10,083. Hutchinson, G.
10,354. McLeod, Marrianne E.
10,476. Aldenhoven, H.

1908.

10,584. Hillman, C. J.
10,749. Doggwyler, J. E.
10,807. Berry, A. F.
10,820. de Matteis, L. (Perocchio)
10,909. Munro, J. A.
10,914. Turri, G. G. (Bode)
10,953. Winstanley, Emily C. (Winstanley, A. A.)

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following case the particulars have been revised or varied, and are now printed in full:—*

9538. William John PHILIPS, 80 Swanston-street, Melbourne, Vic., business agent,

"An improved aerated water bottling machine and syrup pump combined."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

These Lists will be Consolidated Annually.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 01.—Acoustics.

01.2	Repairing piano hammers by superficial elastic strips; several fastenings	Bode	10,914

Group 03.—Electric Railways and Power.

03.4	Feeding current from fixed trolleys on posts along track; conductor along car roof	Perocchio	10,820

Group 06.—Electric Lamps.

06.7	Induction heaters; supplementary secondary circuit; several designs. (24.2; 24.7; 25.7)	Berry	10,807

Group 11.—Mech. and Elec. Separation.

11.9	Plant diagram; calcining clay ore with soda and lime before puddling, &c. (15.1)	Aldenhoven	10,476

Group 12.—Hyd. and Pneu. Separation.

12.1	Rocking ore-washing trough; V-bottomed enlargements; breaker arms and screw creeper on horizontal axis	Doggwyler	10,749

Group 15.—Metallurgy in Furnaces.

15.1	Calcining clay ore with soda and lime before puddling, &c.; plant diagram. (11.9)	Aldenhoven	10,476

Group 16.—Furnaces.

16.40	Regenerative gas furnace for glass or metal work; divided admission of varied flames to adjust local temperature. (19.6; 71.1)	Schmidt	9850

Group 17.—Chimneys, Fumes, Smoke.

17.7	Circulating smoke back from smoke box to ashpit; fan, ejectors, &c. (63.2)	Storey	C.a.P. 9123

Group 19.—Glass and Ceramics.

19.6	Regenerative fuel-gas furnace; adjusting or equalizing temperature by divided admission of varied mixtures of air and gas. (16.40; 71.1)	Schmidt	9850

Group 21.—Gas for Light and Heat.

21.5	Balanced gasometer and aspirator, &c., for measuring gas liberated from calcium carbide by damp wool, &c. (37.6; 56.5) ...	Richardson	C.a.P. 8958
21.5	Acetylene purifier; gas washer, and bag filter with glass wool. (21.89)	Kilgour	C.a.P. 9347
21.89	Three-chamber acetylene apparatus; carbide fed by float valve and storage displacement; interlocking of taps and openings. (21.5)	Kilgour	C.a.P. 9347

Complete Specifications Accepted—*continued.*

Group 22.—Candles and Lamps.

22.5 Flanged semi-circular sheet metal protectors for soft "compo" gas pipes. (74.4) Faul C.a.P. 8920

22.8 Lighting-up, &c., by spring clockwork relays released by varied pressure in a gas bag or capsule. (62.1) Robson C.a.P. 9438

Group 24.—Domestic Heating; Cooking.

24.2 Combination register grate and oven; hinged deflector or damper; canopy or soot guard Reed C.a.P. 8769

24.2 Fire basket or portable grate for wood or coal; trough frame with removable grid and other parts Prolongeau CaP. 9410

24.2 Electrical heater; induction type. (06.7; 24.7; 25.7) Berry 10,807

24.7 Conical grill with annular dish; for plate stoves. (06.7; 24.2; 25.7) Berry 10,807

Group 25.—Washing; Cleaning; Brushes.

25.7 Induction heated laundry iron. (06.7; 24.2; 24.7) Berry 10,807

Group 27.—Beverages.

27.5 Turnover bottler; tappet adjusted admission valves; cam and toggle link gear for syrup pump. (60.1) Philips 9538

Group 30.—Ploughing.

30.2 Stump extractors *as* 2317/*05*; geared rope-hauled wheel-and-axle; 2 forms. (59.1) (Section 85) Schroeder C.a.P. 9119

30.7 Gang disc harrows; set of axis, stay and draught details ... Little C.a.P. 8982

Group 31.—Cultivation.

31.1 Rake harrows for seeders; spring hinge and lifting chain. (31.2) Dinning C.a.P. 9072

31.2 Rake harrow for seeders; spring hinge and lifting chain. (31.1) Dinning C.a.P. 9072

Group 32.—Harvesting.

32.6 Combing and thrashing heads of grain from tied sheaves; spiked rollers, shoots, screw conveyor, &c. Winstanley 10,953

Group 36.—Dairy Food.

36.2 Circular wax-seal holder; rotary catch, and wax cutters. (54.3; 77.7) Palmer C.a.P. 9074

36.2 Side lugs on milking buckets; 5 devices for thigh cleats ... Bartle 9727

Group 37.—Pastoral.

37.4 Tubular shanks for brand heads. (50.9) Green 9611

37.6 Testing damp wool by generating acetylene; gasometer, pressure gauge, &c. (21.5; 56.5) Richardson CaP. 8958

Group 43.—Wearing Apparel.

43.1 4 Charts for sectional or pleated skirts, *as* 9266/*07*; directions for use McLeod 10,354

Group 44.—Boots and Shoes; Umbrellas.

44.5 Loose nailer; awl-stroke controlled by thickness of work ... Bates C.a.P. 9262

Complete Specifications Accepted—*continued.*

Group 46.—Upholstery.

46.1	Diamond-net mattress; longitudinal helical springs; staggered staple attachments. (58.4)	Munro	10,909

Group 50.—Typographic Printing.

50.9	Assembling frames, for spring supported brands for wood boxes, &c. (37.4)	Green	9611

Group 52.—Photography.

52.6	Printing frame with curved celluloid front; flexible back and tightening strap. (Section 121)	Hillman	10,584

Group 53.—Amusements.

53.6	Glazed recesses for advertisements in cushion rails of billiard tables. (54.1)	Bert	C.a.P. 8999

Group 54.—Commerce.

54.1	Glazed recesses for advertisements in cushion rails of billiard tables. (53.6)	Bert	C.a.P. 8999
54.3	Circular wax-seal holder; rotary catch, and wax cutters. (36.2; 77.7)	Palmer	C.a.P. 9074

Group 56.—Counting, Measuring, Weighing.

56.5	Balanced gasometer and aspirator, &c., for measuring gas liberated from calcium carbide by damp wool, &c. (21.5; 37.6) ...	Richardson	CaP. 8958

Group 58.—Chains, Ropes, Wire.

58.4	Spring-wire holders for dust caps in cycle lubricators, tyre valves, &c.; 3 forms. (60.9; 94.9; 97.85) (Section 121)	Hutchinson	10,083
58.4	Diamond-net mattress; longitudinal helical springs; staggered staple attachments. (46.1)	Munro	10,909

Group 59.—Conveying and Lifting.

59.1	Stump extractors *as 2317/05*; geared rope-hauled wheel-and-axle; 2 forms. (30.2) (Section 85)	Schroeder	C.a.P. 9119

Group 60.—Mechanism; Lubrication.

60.1	Link-work for syrup pump in turnover bottler. (27.5)	Philips	9538
60.9	Self lubricating plug valve and swivel, for rock-drill pipe lines. (74.5; 74.7; 85.8)	Rankin	9242
60.9	Spring-wire holders for dust caps in cycle lubricators, tyre valves, &c., 3 forms. (58.4; 94.9; 97.85) (Section 121)	Hutchinson	10,083

Group 62.—Power Storage.

62.1	Spring-striking-gear for lamp lighting by varied pressure. (22.8)	Robson	C.a.P. 9438

Group 63.—Steam Power.

63.2	Feed-water drum with coil pipe for flue gases. (17.7)	Storey	C.a.P. 9123

Group 71.—Forging, Rolling, &c.

71.1	Regenerative fuel-gas furnace; adjusting or equalizing temperature by divided admission of varied mixtures of air and gas. (16.40; 19.6)	Schmidt	9850

Complete Specifications Accepted—*continued.*

Group 74.—Pipes and Fittings.

74.4	Flanged semi-circular sheet metal protectors for soft "compo" gas pipes. (22.5)	Faul	C.a.P.	8920
74.5	Combination plug-valve and swivel, &c., for rock-drill pipes; lubricating chamber and ports. (60.9; 74.7; 85.8) ...	Rankin		9242
74.7	Combination plug-valve and swivel, &c., for rock-drill pipes; lubricating chamber and ports. (60.9; 74.5; 85.8) ...	Rankin		9242

Group 75.—Abrading and Polishing.

77.7	Circular wax-seal holder; rotary catch, and wax cutters. (36.2; 54.3)	Palmer	C.a.P.	9074

Group 78.—Structural Hardware.

78.9	Folding scaffold brackets; bolt clamp, hook and spike attachments. (81.3)	Hale	C.a.P.	9026

Group 81.—Buildings, Streets, Fencing.

81.3	Folding scaffold brackets; bolt clamp, hook and spike attachments. (78.9)	Hale	C.a.P.	9026

Group 84.—Excavation and Dredging.

84.3	Drag silt scoop; curved back plate pivoted to side plates, and linked to fore and aft chains	Dennis	C.a.P.	8911
84.3	Wheeled drain-scoop; height adjustment and deflector plate ...	Coughlan	C.a.P.	9188

Group 85.—Mining.

85.8	Self lubricating plug valve and swivel for rock-drill pipe lines. (60.9; 74.5; 74.7)	Rankin		9242

Group 94.—Cycles.

94.9	Spring-wire holders for dust caps in cycle lubricators, tyre valves, &c.; 3 forms. (58.4; 60.9; 97.85) (Section 121)	Hutchinson		10,083

Group 97.—Wheels.

97.85	Spring-wire holders for dust caps in cycle lubricators, tyre valves, &c.; 3 forms. (58.4; 60.9; 94.9) (Section 121) ...	Hutchinson		10,083



Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

11,489. Ferdinand BURCHARTZ, 295 Fifth-avenue, Manhattan, New York, U.S.A., architect,

Application under Sec. 121.

[Date applied for 25th May, 1907, being date of application in U.S.A., Serial No. 375,757/07, Grant No. 875,318, patented 31st Dec., 1907.]

"Improvements in floorings."

Printed Specifications Published.

Vols. 26 to 29, comprising Applications numbered from 5000 to 5799, are now complete, with title pages, &c.

Vols. 30 to 35 comprise Applications from 5800 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6122. J. P. DYASON. *Valve for thick fluids.* Classes 57.4; 74.7.

6340. R. SANDS (PARISH). *Billing attachment for typewriters.* Class 50.4.

6435. A. L. M. CHAULIN. *Electrical protection against insects.* Classes 04.0; 38.9.

6530. S. LOWE. *Vehicle hub brake.* Class 93.3.

6538. O. H. KEAN (SHAVER). *Soap dispensing machines.* Classes 10.7; 45.5.

6577. J. MCMEEKEN. *Plough lift.* Class 30.3.

6587. I. W. RUBEL. *Transfer printing.* Classes 50.9; 51.4; 51.6

6795. W. WELLS. *Acetylene generator.* Class 21.87.

Printed Specifications Published—*continued.*

1906.

6800. BRADY and CHAYTOR. *Axle.* Classes 30.3; 93.3.

6847. AKTIESELSKABET BURMEISTER & WAINS MASKIN-OG SKIBSBYGGERI (PROLLIUS). *Centrifugal drums.* Class 36.6.

7066. BOSTOCK and PECK (SWAIN). *Lock-nut.* Class 78.4.

7123. G. G. TURRI (KIMBALL). *Centrifugal separators.* Class 36.6.

7172. E. H. KIRKBY. *Temperature alarms.* Classes 88.2; 99.7.

7200. F. C. BIRD (PARK). *Delivering liquid.* Classes 36.2; 54.7; 56.5.

7213. F. GOLD. *Preventing articles moving backward.* Classes 03.2; 40.7; 58.3; 60.3; 78.1.

7251. PARSONS and STONEY. *Turbines, &c.* Class 67.2.

7274. AKTIEBOLAGET SEPARATOR (FORSBERG). *Centrifugal separators.* Class 36.6.

7592. R. S. BARBER. *Comb dresser.* Classes 37.6; 75.2.

1907.

8376. A. G. SNOWDON. *Can openers.* Class 57.5.

8436. J. HUTCHINGS. *Combined turbine and engines.* Classes 63.1; 64.5; 66.2; 67.1.

8778. O. G. DIEFENDORF. *Brick machines.* Class 19.1.

8979. H. QUERTIER. *Track cleaner.* Classes 04.7; 86.5; 95.5; 98.3.

8995. A. RAKY (SCHOTT). *Deep-boring apparatus.* Class 85.2.

9061. O. V. SIGURDSSON. *Typecasting and composing machines.* Class 50.5.

9065. PEARCE and REEVES. *Recording apparatus.* Classes 00.1; 50.4; 56.2; 56.6; 99.4.

9071. MCVILLY and ROBERTS. *Drawing off kerosene.* Classes 22.4; 58.4; 78.9.

9154. F. J. D. HULLINGHORST. *Radiators or coolers.* Classes 66.5; 95.3.

9156. T. O. MEIN. *Railway waggon doors.* Classes 96.1; 96.5.

9215. THE LINOTYPE CO. LTD. (BROADHOUSE). *Printing music.* Classes 01.9; 50.5.

9216. THE LINOTYPE CO. LTD. (LAWLESS). *Linotype wipers.* Class 50.5.

9220. THE LINOTYPE CO. LTD. (MERGENTHALER). *Linotype machines.* Class 50.5.

9235. M. B. CHURCH. *Power transmission.* Classes 60.2; 95.4.

9237. T. VEITCH. *Internal combustion engines.* Class 66.7.

9257. MERGENTHALER LINOTYPE CO. (ROGERS). *Linotype machines.* Class 50.5.

9260. INGERSOLL-RAND CO. (GIBSON). *Coal mining machinery.* Classes 85.7; 96.3.

9297. W. G. KENT. *Liquid meters.* Classes 56.5; 60.8; 64.9; 83.9.

9351. G. G. HOLMES. *Wire jointing.* Class 58.3.

9356. J. F. KLEINE. *Fire-proof stone floors.* Class 81.2.

9426. C. S. and J. A. CHALLINER. *Pneumatic tyres.* Class 97.83.

9506. T. J. MCBRIDE. *Resilient wheels.* Classes 97.81; 97.83.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*13th May, 1908.*			
7847	23 Jan.	R. J. Fry and J. A. Cooper	Vic.	Bending and shaping metal	687
8060	21 Feb.	P. B. Webb	Vic.	Sheep, &c., brand ...	745
8405	4 Apr.	A. E. Young and E. G. Kerr	N.Z.	Issuing checks, &c. ...	191
8592	29 Apr.	A. C. Findlay ...	W.A.	Candle extinguisher ...	235
8936	11 June	A. T. Madden (Cox) ...	Eng.	Production of gas ...	334
9184	11 July	A. S. Francis ...	Eng.	Inverted gas burners ...	422
9266	19 July	Marrianne E. McLeod ...	Vic.	Pattern charts	439
9300	24 July	Brit. Insulated and Helsby Cables Ltd. (Vyle)	Eng.	Telegraph instruments ...	441
9543	16 Aug.	C. W. Sponsel ...	U.S.A.	Typewriting machines ...	508
9585	22 Aug.	W. H. Duncan ...	N.Z.	Water heater	526
9685	4 Sept.	J. J. Fraser	Scot.	Grinding mills	545
9705	6 Sept.	H. Higgin	U.S.A.	Road vehicle perches ...	559
9706	6 Sept.	J. L. Coleman and L. B. Manley	U.S.A.	Clutch pulley block ...	559
9711	7 Sept.	Scott Electrical Co. (Scott)	U.S.A.	Flaming arc lamps ...	559
9713	9 Sept.	S. H. Byrnes	N.S.W.	Mine skip rope grip ...	559
9739	11 Sept.	H. I. Seemann ...	U.S.A.	Amalgamators	560
9790	18 Sept.	G. Westinghouse ...	U.S.A.	Yielding resistance devices	580
9946	8 Oct.	G. Schultz	Germany	Safety explosives ...	632
10,151	4 Nov.	D. Finkler	Germany	Rendering grain digestible	706
10,161	4 Nov.	A. Siddall	N.S.W.	Picture, &c., supports ...	706
		14th May, 1908.			
7775	14 Jan.	G. W. Wilkins	Vic.	Fire resisting solution ...	143
	1906.	*15th May, 1908.*			
7291	1 Nov.	V. A. de Perini ...	Brazil	Paper pulp, &c.	580
	1907.				
7790	15 Jan.	O. Pihlfeldt	Eng.	Cycle handle-bars, &c. ...	23
7791	15 Jan.	F. Raven	Vic.	Milking machines ...	253
8839	29 May	H. A. Stuart	W.A.	Medicinal biscuit ...	297
9413	6 Aug.	H. A. Stuart	W.A.	Sealed milk can	476
9416	7 Aug.	R. Purser	W.A.	Fertilizer, &c., drills ...	476
9697	6 Sept.	W. Tyree	N.S.W.	Destruction of pests ...	558
9820	20 Sept.	W. H. Lawrence and R. Kennedy (Feldmeier)	U.S.A.	Suction milking machines ...	595
9917	4 Oct.	General Elec. Co. (Hewlett)	U.S.A.	Insulators	630
10,101	29 Oct.	E. J. Wood and G. Carson	Eng.	Axle boxes	685

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin	Abbreviated Title.	Page.
	1907.	*18th May, 1908.*			
7812	17 Jan.	F. W. Hellberg ...	N.S.W.	Hammock and tent ...	94
7816	17 Jan.	J. G. Reilly	Vic.	Label for mail bags, &c.	529
8118	26 Feb.	W. M. Dalton	Vic.	Dairyman's steam generator	110
8495	17 Apr.	T. Duff	Vic.	Plate glass windows ...	7
8627	2 May	J. E. Friend	N.S.W.	Rotary gas engine ...	250
8772	22 May	A. L. Finnell and E. Schernikow	U.S.A.	Vehicle tyres	7
8816	22 May	H. Trinder and F. Engeler	Vic.	Ore concentrating tables ...	513
9640	30 Aug.	R. B. Smith	W.A.	Ploughs and cultivators ...	669
9748	11 Sept.	A. Classen	Germany	Producing dark coatings on metals	561
9781	17 Sept.	C. H. E. Hope-Johnstone (Litsche)	Germany	Preparing milk for food ...	579
9919	4 Oct.	R. von Zelewski ...	Belgium	Roasting-furnace ...	631
9921	4 Oct.	A. Lewis	N.S.W.	Railway couplings ...	746
		19th May, 1908.			
7971	7 Feb.	S. T. Beattie and W. J. Chapman	N.S.W.	Marking race competitors ...	78
8169	4 Mar.	A. J. F. de Bavay ...	Vic.	Ore separation	796
8352	28 Mar.	A. J. Madden ...	Vic.	Liquid filtration	833
9028	20 June	Ingersoll-Rand Co. (Haeseler and Taylor)	U.S.A.	Portable fluid motors ...	368
9067	26 June	C. N. Chandler and G. Dow	Vic.	Smoke consumer ...	834
9293	24 July	W. T. and M. Roberts ...	W.A.	Mud pump	687
9305	24 July	K. I. Lindström ...	Sweden	Milking apparatus ...	441
9454	9 Aug.	O. L. M. Abramowski and F. Rosing	Vic.	Food compositions ...	491
9694	6 Sept.	W. J. L. Morton ...	S.A.	Winding wool, &c. ...	796
9782	17 Sept.	C. H. E. Hope-Johnstone (Bachaus)	Germany	Treatment of milk ...	579
9947	8 Oct.	S. H. Knight and C. D. Lightband	N.Z.	Leather	632
10,070	22 Oct.	Emily Langer	N.S.W.	Washing board	668

Application in respect of which a Complete Specification has been accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1907.				
7817	18 Jan.	W. E. Adams	N.S.W.	Construction of walls ...	38

GEORGE TOWNSEND,
Commissioner of Patents

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Vol. 6.—Applications and Proceedings, 1907

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or			
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7. On appeal from Commissioner to the Court	3	0	0
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9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
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Not exceeding six months ...	4	0	0
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23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
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29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
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31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
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36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 8.] 1908. [No. 20.

Tuesday, 2nd June.

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THE

Australian Official Journal of Patents.



Notices.

Applications Received, 11,542 to 11,595.

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Copyright Rules, Statutory Rules 49/*07*		8d.
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NOTICE IS HEREBY GIVEN that DILLON-GRISWOLD WIRE COMPANY the grantees of Australian Patent No. 6303, dated 29th June, 1906, for

"A wire bale tie making machine"

are prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

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VOL. 8.] 2ND JUNE, 1908. [NO. 20.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

Public Holiday.

The Patent Office, Melbourne, will be closed on the 8th June, 1908.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

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COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 21st to 27th May, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 21st May.

11,542. *Prov.* Ernest Edgar KING, Whitby-street, West Brunswick, Vic., boot manufacturer,

"Improvements in boot and shoe uppers."

11,543. *Prov.* John SCOTT, 108-114 Bouverie-street, Carlton, Vic., engineer,

"An improved artesian well boring and drilling machine."

11,544. *Prov.* Julian Rodger Bede O'SULLIVAN, North-terrace, Adelaide, S.A., engineer,

"An improved automatic safety valve for steam boilers."

11,545. *Comp.* Arthur George Lloyd NEIGHBOUR, 435 Collins-street, Melbourne, Vic., consulting mechanical engineer,

Application under Sec. 85, additional to 8694/07.

"An improved device for clearing small orifices of carbon such as the nipples of kerosene vapour stoves blowlamps and similar articles."

11,546. *Prov.* Harold BERRY, Clementston, Vic., engineer,

"Improvements in suction gas plants."

11,547. *Comp.* EMPIRE LIGHT LIMITED, 100 St. Martin's-lane, Charing Cross, London, Eng., lamp manufacturer (*assignee of* Jacob Henry MIESS, *act. inv.*, Radcliffe House, Radcliffe-avenue, Harlesden, Middlesex, Eng., foreman mechanic),

Application under Sec. 121.

[Date applied for 22nd May, 1907, being date of an application in Germany. Application also made in England, 27th March, 1908, No. 6847; Canada, 9th April, 1907; U.S.A., 28th May, 1907; and Germany, 5th Nov., 1907.]

"Improvements in vapour burning apparatus."

11,548. *Prov.* William Henry DYNE, Windsor-road, Red Hill, Brisbane, Qld., mechanical engineer,

"Improved chain pipe wrench."

11,549. *Comp.* Humphries William DOUGHTY, Yangan, near Warwick, Qld., well borer,

"Improvements in well boring plant."

Friday, 22nd May.

11,550. *Comp.* Joseph Yeo DIXON, Auckland, N.Z., civil servant,

"An improved gate latch."

11,551. *Prov.* Elijah HENDERSON, Herbert-street, Dulwich Hill, N.S.W., iron-founder,

"Improved apparatus for casting sash weights."

11,552. *Prov.* Bernard HESSION, 41 Peel-street, West Melbourne, Vic., engine-driver,

"Improved furnace and auxiliary combustion chamber for more complete consumption of smoke and economy of fuel."

11,553. *Prov.* William WATTS, Amherst-road, West Midland, W.A., foreman,

"Torpedo obstacle sound alarm and tell tale indicator interlocked and operated with the home signal for giving the position of railway trains."

11,554. *Comp.* Leonard Evans TRAVIS, 939 Nineteenth-street, Newark, Essex, New Jersey, U.S.A., newspaper correspondent,

"Soap holders."

Applications received, 21st to 27th May—*continued.*

11,555. *Comp.* La Verne W. Noyes, Twelfth and Rockwell streets, Chicago, Cook, Ill., U.S.A., manufacturer,

"Improvements in wind mills."

11,556. *Comp.* Charles Wesley Nance, 348 Oxford-street, Paddington, N.S.W., provision merchant,

"A process serviceable with apparatus for the tanning and treatment of hides and skins."

11,557. *Prov.* John Edward Izod, Glen Huntly-road, Elsternwick, Vic., carpenter,

"Down pipe attachment."

11,558. *Prov.* United Shoe Machinery Company, 205 Lincoln-street, Boston, Mass., U.S.A., manufacturer (*assignee of* Erastus Edwin Winkley, *act. inv.*, 103 Euclid-avenue, Lynn, Essex, Mass., U.S.A., mechanical engineer, and John Thomas McIsaac, *act. inv.*, 89 Cedar-street, East Weymouth, Norfolk, Mass., U.S.A., machine operator),

"Improvements in or relating to welt slitting mechanism for shoe sewing machines."

11,559. *Comp.* Lamson Consolidated Store Service Company, 161 Devonshire-street, Boston, Suffolk, Mass., U.S.A., manufacturer (*assignee of* George Albert Amsden, *act. inv.*, Littleton, Middlesex, Mass., U.S.A., salesman),

"Improvements in and relating to cable carrier apparatus."

11,560. *Comp.* Lamson Consolidated Store Service Company, 161 Devonshire-street, Boston, Suffolk, Mass., U.S.A., manufacturer (*assignee of* Albert Washington Pearsall, *act. inv.*, 64 Loring-street, Lowell, Middlesex, Mass., U.S.A., mechanical engineer),

"Improvements in and relating to pneumatic tube systems."

11,561. *Prov.* Mary Prichard Bassett, and Edward Prichard Bassett, solicitor, both of City Bank Chambers, 164 Pitt-street, Sydney, N.S.W.,

"Bassett ball roller patent."

11,562. *Prov.* Nicholas John Holmes, 117 Esplanade, Port Melbourne, Vic., engineer,

"Excessive speed preventer."

11,563. *Comp.* John Reitter Brown, Adela, Vancouver, Brit. Col., Canada, inventor,

"Cane cutting machine."

11,564. *Comp.* Daniel Shaw Waugh, Denver, Col., U.S.A., machinist,

"Rock drill feeding mechanism."

11,565. *Comp.* Stephen Mathias Smith, 307 Washington-street, Boise, Ada, Idaho, U.S.A., mining engineer,

"Improvements in the method of treating ores."

11,566. *Comp.* Russel B. Sigafoos, 1305 17th-avenue, Denver, Col., U.S.A., mining engineer,

"A rotary tunneling machine."

Saturday, 23rd May.

11,567. *Prov.* Walter Albert Martin, 245 High-street, St. Kilda, Vic., bootmaker,

"A leading wire, awl, or needle specially applicable for hand stitching footwear and other articles."

11,568. *Comp.* Irving Bell Smith, 1011 Diamond-street, Philadelphia, Penn., U.S.A., electrical engineer,

"Improvements in electric self-playing musical instruments."

Monday, 25th May.

11,569. *Comp.* Alfred Ernest Luttrell, *act. inv.*, 33 Darling-street, Balmain, N.S.W., cabinet maker, and Emil Paul Hosch, *assignee*, 107 Pitt-street, Sydney, N.S.W., accountant,

"An improved rotary pump."

11,570. *Comp.* Fred Ellsworth Martin, Oakville, Halton, Ontario, Canada, mariner.

"Boat launching and stowing apparatus."

11,571. *Comp.* Jakob Schuerch, Unterowisheimerstrasse 15, Bruchsal (Baden), Germany, engineer, and Gottlob Himmel, 00 Derendingerstrasse, Tuebingen (Wurtemberg), Germany, director,

"Improvements in dynamo electric machines for the production of continuous and alternating currents."

11,572. *Prov.* George Thomas Plumb, 26 Married Quarters, Ferreira Deep, Johannesburg, Transvaal, S. Af., electrical engineer,

"Improvements in signalling systems for mines and the like."

Applications received, 21st to 27th May—*continued.*

11,573. *Prov.* William Robert LANG, Mildura, Vic., labourer,

"Improved forest felling apparatus."

11,574. *Prov.* Emil Julius MOLLER, Frederick-street, Taringa, Qld., artist, and George Thompson FLEMING, Sunnyside Hotel, Gomoran, *viâ* Meringandan, Qld., hotel proprietor,

"Posthole borer."

11,575. *Comp.* Charles STOTT, Sandgate-road, Clayfield, Brisbane, Qld., carpenter, and Thomas Woodlark BROWNLEE, Prospect-terrace, Brisbane, Qld., plumber,

"Improvements in totalisator apparatus."

11,576. *Prov.* Wallace James McKEON, 609 Little Collins-street, Melbourne, Vic., chemist,

"Improved means for strengthening chairs."

11,577. *Prov.* Frederic Aemelius BARKER, Selby House, Wickham-terrace, Brisbane, Qld., commission agent,

"Improvements in voting machines."

11,578. *Comp.* James Hamlin WALKER and James WALKER, both of S. Andrew-street, Dunedin, N.Z., sanitary engineers and plumbers,

"Improvement in ball cocks."

11,579. *Comp.* Nicol Alexandra BOOTH, 91A Princes-street, Dunedin, N.Z., builder,

"Improved automatic graduated thief proof sash fastener."

Tuesday, 26th May.

11,580. *Prov.* Alexander GUTHRIE, Vaughan-street, Shepparton, Vic., machinery representative,

"Improvements in windmills."

11,581. *Prov.* Ernest Maltravers BOLGER, "Myrtleville," 21 Evelina-road, Toorak, Vic., foreman,

"Detachable rim for the wheels of motor cars and other vehicles."

11,582. *Prov.* Henry Joseph HOLLOWAY and William Hart HOLLOWAY, both of Cromwell Buildings, Bourke-street, Melbourne, Vic., commission and manufacturers' agents and property salesmen,

"Improvements in the construction of silos."

11,583. *Prov.* William HASLAM, 913 Drummond-street, North Carlton, Vic., engineer,

"Improvements in or connected with attachable resilient heels."

11,584. *Comp.* Thomas CARRA, and Ephraim Oscar GREGORY, both of Cameron-street, Richmond, Vic., engineers,

"Improvements in windmill and like mechanism."

11,585. *Comp.* William O'CALLAGHAN, Swanston-street, Terang, Vic., well-borer,

"A bifurcated rimer for enlarging the lower sections of artesian bores."

11,586. *Prov.* James WILSON, railway employé, and Alfred TIMMS, police constable, both of 30 Marlborough-street, East Perth, W.A.,

"Spark arrester for locomotives and other engines having tubular boilers and smoke boxes."

11,587. *Prov.* Harold Hamilton KERR, 257 William-street, Melbourne, Vic., engineer,

"Improvements in pulsating appliances for milking machines."

11,588. *Prov.* Archibald Frederick LAVER, Mansfield-street, Northcote, Vic., foreman printer,

"A new and improved apparatus for washing and cleaning rollers of printing lithographing and the like machines."

11,589. *Comp.* Théophile VAN DIEREN, 18 Rue Conscience, Anvers, Belgium, printer,

"Automatic switch for tramways and railways."

Wednesday, 27th May.

11,590. *Comp.* Clarence Leonardo PULLEN, *act. inv.*, 128 Flinders-street, Moore Park, N.S.W., advertising contractor, and Frederic George PARISH, *assignee*, "Ongoruhe," Raglan-street, Mosman, N.S.W., lecturer,

"An adjustable device for ventilating hats, caps and the like."

11,591. *Prov.* John BROOKS, Yering, Vic., farmer,

"Improvements relating to fertiliser drills and other similar implements."

Applications received, 21st to 27th May—*continued.*

11,592. *Prov.* Ruby Edith Ridoutt, Emerald Villa, Barker-road, Subiaco, W.A., married lady,

"A perfumed fan."

11,593. *Prov.* Robert Gray, Hyde-street, Adelaide, S.A., furniture manufacturer,

"A new or improved cushion for use in billiards and other games played with a cue and balls."

11,594. *Prov.* Harriet Silverstone, 675 King-street, Newtown, N.S.W., domestic duties,

"The Silverstone signal brake."

11,595. *Prov.* Michael Higgins, Mercer, Auckland, N.Z., engineer,

"Improved apparatus for detecting and signalling escape of air in air brakes."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

11,006. Landon, J. M.
11,223. Porteous, A.
11,227. Reilly, J. J.
11,235. Geake, W. H. G.
11,250. Geake, W. H. G.
11,254. Ohlson, J. L.
11,260. Pyke, C. F.
11,278. Bedford, A. J.
11,281. Reilly, J. G.
11,288. Webster, W.
11,312. Wilde, A. T. R.
11,314. Malone, W. M.
11,320. White, C. G. (Cooper)
11,325. Huie, G.
11,330. Un. Shoe Mach. Co. (Cavanagh)
11,331. Un. Shoe Mach. Co. (McFeely)
11,332. Un. Shoe Mach. Co. (McFeely)
11,333. Un. Shoe Mach. Co. (Enslin)
11,334. Un. Shoe Mach. Co. (Bates)
11,335. Un. Shoe Mach. Co. (Goddu)
11,348. McErvale, H.
11,349. Finck, E. H.
11,345. McKay, A. & McDonald, A.
11,355. Reed, R. S.
11,356. Cliff, F. E.
11,357. Thomson, G. H.
11,358. Charley, J. J.
11,359. Willis, J.
11,360. Yabsley, W. H.
11,362. Taylor, E. H., Small, J., & Harris, H. T.
11,363. Heyne, E. C.
11,367. Buck, R., & Vonarx, F. J.
11,376. Webster, G.
11,377. Hughes, P. W., Drew, F., & Wildop, T. S. A.
11,385. Bolton, T.
11,387. Millar, J. A.
11,389. Macdonald, A.
11,390. Finck, E. H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9331. Mark O'TOOLE, Mint-place, 461 Little Lonsdale-street, Melbourne, Vic., blacksmith,

"Combined tool." 25th May, 1908.

9386. Charles Edwin FAHEY and Henry SWINKELS, both of 20 Rofe Chambers, Castlereagh-street, Sydney, N.S.W., advertising specialists,

"An advertising writing desk." 21st May, 1908.

9631. George Hay GROWDEN, Port Pirie, S.A., bicycle builder,

"An improved harrow attachment for seed in fertiliser drills and such like implements." 26th May, 1908.

9707. Charles POTTER, 28 Cricket-street, Petrie-terrace, Brisbane, Qld., storeman,

"Provision tin filling machines." 21st May, 1908.

9811. Joseph Taylor PETTETT, The Olderfleet, 475 Collins-street, Melbourne, Vic., stock and station agent,

"Improved trough apparatus for poisoning rabbits." 21st May, 1908.

10,093. Stephen John PHILLIPS, Hallett, S.A., railway ganger,

"An improved cutting and cauterizing device." 26th May, 1908.

10,176. Edmund John GEE, 101 Colombo-street, Christchurch, Canterbury, N.Z., blindmaker,

"Improvements in sun blinds." 27th May, 1908.

1908.

10,601. Frederick Lyman ALLEY, 83 Clarence-street, Sydney, N.S.W., engineer,

"Improvements in beating machines for finishing boots and shoes." 25th May, 1908.

10,665. Professor Dr. Richard Heinrich DEUTSCHMANN, 19 Alsterkamp, Hamburg, Germany, oculist,

Application under Sec. 85, additional to 6908/06.

"Improved method of obtaining animal serum." 25th May, 1908.

10,891. George Edward ANDREW, managing director of The Rosella Preserving Company Proprietary Limited, Cremorne Gardens, Balmain-street, Richmond, Vic.,

"An improved air-tight cover-joint for metal cans for jams and other foodstuffs." 22nd May, 1908.

11,069. Jacob MORRIS, 432 Park-road, Moore Park, N.S.W., canister manufacturer,

"Improvements in ladies' hat fastenings." 22nd May, 1908.

11,301. Sylvester John BROWNE, Minenbah, Whittingham, N.S.W., pastoralist, and Edward Giles STONE, Studley Park, Werrington, N.S.W., engineer,

"Improvements relating to the construction of fodder storage chambers, such as silos or the like." 27th May, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

9246. Hale, W. C.
9248. Dawson, B. F. H.
9250. Pizey, Lucy H.
9252. Fist, W. J., & Stephenson, A. A.
9253. Lambert, C. F.
9254. Cooper, W. E., & McClelland, D. J.
9255. Craig, E. W., & McIlwrick, W. M.
9264. Blackman, J. A., & Cronin, J.
9265. Gleghorn, R.
9270. Neville, H. R.
9272. Neville, H. R., & Andrew, J. A.
9273. Dubois, C. L.
9275. Kindermann, G. J.
9277. Paterson, A. B.
9278. Henderson, Elizabeth R. (Long)
9279. Emmett, A.
9280. Harford, F. O., Langford, C., & Willis, S. J.
9283. Grogan, T. (Brown)
9284. Kerr, H. H.
9286. Wanmer, S.
9292. Michler, H. W.
9295. Chambers, S.
9296. Chambers, S.
9304. Tyree, W.
9308. Bolton, A. J. J.
9309. Chandler, C. N.
9310. Malone, W. M.
9311. Plummer, Isabel A.

Applications Abandoned, Withdrawn, &c.

1907.

7933. *C.a.P.* (*Lapsed.*) William PALMER, 830 High-street, Armadale, Vic., carpenter and builder,

"Improved adjustable sashes for window-frames and the like."

7958. *C.a.P.* (*Lapsed.*) James Elliot ANDERSON, "Rosebank," *viâ* Mount Egerton, Vic., mechanical engineer,

"Deep well compression pump."

7986. *C.a.P.* (*Abandoned.*) Edwin Totterdell, 7 Patrick-street, Launceston, Tas., builder,

"An improved method of manufacturing concrete cavity blocks."

9346. *Prov.* (*Abandoned.*) William James DAVIDSON, 286 Smith-street, Collingwood, Vic., farmer,

"An appliance whereby the power is gradually applied to driving wheels when starting and to absorb the momentum when stopping."

1908.

11,383. *Prov.* (*Withdrawn.*) James GALE, Cole-street, Elsternwick, Vic., mining and mechanical engineer,

"Apparatus for automatically stopping railway trains or the like."

11,394. *Prov.* (*Withdrawn.*) Robert SANDS, George-street, Sydney, N.S.W., manufacturing stationer (*assignee of* Joseph ROBERTS, *act. inv.*, Druitt-street, Sydney, N.S.W., engineer),

"A new or improved clamp or binder for a counter cheque book."

Application under the "Patents Act 1906."

IT IS HEREBY NOTIFIED that the application of W. S. FRANKLIN and S. S. SEYFERT (by their agent, Bedlington Bodycomb), dated 20th May, 1908, for *Extension of Time to 15th August, 1908, for Sealing* of Letters Patent on Application No. 8417, lodged 5th April, 1907, has been received, and that the extension has been granted.

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8335.*Roberts, D. T. & R. H.
8834. Wood, H. A.
8842. Gray, O.
8876. Brandt, J. F.
9162. Noonan, J. J.
9192. Gray, J.
9224. Southgate, W. C.
9230. Lockley, T. B.
9247. Sanderson, R. S.
9393. Bradley, S. A.
9441. Robson, T.
9453. Williams, T.
9971.*Western Mill & Mach. Co. (Richards)
9995. Wileman, J. A.
10,005. Ponninghaus, Annie M.
10,186. Dake, C. W.
10,233. Rogers, R. A., & Cantelo, F.
10,372.*Poulson, P. O.
10,445. Monotype Mach. (Col. Pat.) Syn. (Bancroft & Indahl)
10,469. Turner, J. T.

1908.

10,608.*Huelin, J. W.
10,754. Halliday, W. R.
10,802.*Bottrell, T.
10,815. Wright, W.
10,913. Thomas - Russell Lock Co. (Thomas)
10,960. Haines, R. T.
10,999. Reynolds, A.
11,061. Fletcher, W. H.
11,065. Peck, P. F.
11,066. Peck, P. F.

The subject-matter of these Specifications is classified in the following pages.

Complete Specifications Accepted—*continued.*

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8335. David Thomas ROBERTS, gardener, and Reginald Henry ROBERTS, carpenter, both of Railway-parade, Canterbury, Vic.,

"Improved bracket for supporting roofing spout."

9971. WESTERN MILL AND MACHINE COMPANY, Snyder-street, near Fifth-street, West Berkeley, Alameda, Cal., U.S.A., manufacturers (*assignee of* George Clark RICHARDS, *act. inv.*, 1417 Ashby-avenue, Berkeley, Alameda, Cal., U.S.A., miner),

"Combined stamp and grinding mill."

10,372. Paul Oluff POULSON, Brigham, Boxelder, Utah, U.S.A., machinist,

Application under Sec. 121.

[Date applied for 4th Jan., 1907, being date of U.S.A. application, Serial No. 350,708, Grant No. 850,049, patented 9th April, 1907.]

"Improvements in rotary engines."

10,608. James Wilson HUELIN, 49 Elizabeth-street, Melbourne, Vic., commercial traveller,

"Improved smoke preventer for boiler furnaces."

10,802. Thomas BOTTRELL, Amosfield, N.S.W., grazier,

Application under Sec. 7.

(N.S.W. 6592; Qld. 3371; W.A., 4564.)

"Improved apparatus for facilitating the branding and castrating of calves and other animals."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 06.—Electric Lamps.

06.8	Arc formed between carbonaceous vessel and central electrode to facilitate concentration of heat	Reynolds	10,999

Group 10.—Crushing and Grinding.

10.2	Stamp and grinding mill; cam-lifted hammer-stamps fall and slide in rotary mortar. (10.5; 60.8)	Richards	9971
10.3	Impact crusher; loose ring-beaters (on rotating lantern frame) strike and roll on curved trough segments. (10.6)	Fletcher	11,061
10.5	Stamp and grinding mill; cam-lifted hammer-stamps fall and slide in rotary mortar. (10.2; 60.8)	Richards	9971
10.6	Impact crusher; loose ring-beaters (on rotating lantern frame) strike and roll on curved trough segments. (10.3)	Fletcher	11,061

Complete Specifications Accepted—*continued.*

Group 11.—Mech. and Elec. Separation.

11.4	Centrifugal conical washing drums; annular space with differentially moving walls, divided segmentally into zones of feed, deposition, grading and washing-off. (12.3)	Peck	11,065
11.4	Centrifugal washing drums; details varied from 11,065/*08*. (12.3)	Peck	11,066

Group 12.—Hyd. and Pneu. Separation.

12.3	Centrifugal conical washing drums, annular space with differentially moving walls, divided segmentally into zones of feed, deposition, grading and washing-off. (11.4)	Peck	11,065
12.3	Centrifugal washing drums; details varied from 11,065/*08*. (11.4)	Peck	11,066

Group 17.—Chimneys, Fumes, Smoke.

17.1	Supplementary air admission by hinged dead-plate, &c., gradually closed under dash-pot control	Huelin	10,608
17.3	Multitubular hot-water jacketed air warmer and filter for respiration. (23.7; 56.5; 69.4; 87.2; 88.1)	Gray	C.a.P. 8842
17.7	Supplementary air admission by hinged dead-plate, &c., gradually closed under dash-pot control. (17.1)	Huelin	10,608

Group 22.—Candles and Lamps.

22.4	Kerosene pump and tin cutter; ball valves, spiral springs ...	Brandt	C.a.P. 8876

Group 23.—Bunsen and Incand. Burners.

23.7	Measuring oxygen, mixing and warming air, for respiration. (17.3; 56.5; 69.4; 87.2; 88.1)	Gray	C.a.P. 8842

Group 25. Washing; Cleaning; Brushes.

25.2	Oscillating trough with lever and spring buffers; corrugated lining; drain-hole sluices	PonninghausCaP	10,005
25.2	Circulator for clothes boiler; hollow perforated weighted cone and pipe	Haines	10,960

Group 26.—Bleaching and Dyeing.

26.5	Cabinet of trays with sulphur burner, for fixing colour in fruit. (31.5; 34.7)	Bradley	C.a.P. 9393

Group 31.—Cultivation.

31.5	Cabinet of trays with sulphur burner, for fixing colour in fruit. (26.5; 34.7)	Bradley	C.a.P. 9393

Group 32.—Harvesting.

32.7	Portable post and pivot crane for loading hay; whip haulage; hay grabbers, 2 forms. (59.1)	Wright	10,815

Group 34.—Cereals, Vegetables, Fruit.

34.7	Cabinet of trays with sulphur burner, for fixing colour in fruit. (26.5; 31.5)	Bradley	C.a.P. 9393

Group 36.—Dairy Food.

36.2	Two-cylinder ready-reckoner for cream percentage, with guide scales or screens. (56.2)	Sanderson	C.a.P. 9247
36.7	Table churn-frame; vertical beater spindle and gear for working in a billy can, &c.	Wileman	C.a.P. 9995

Group 37.—Pastoral.

37.3	Tilting pen for branding calves; rack fastenings. (37.4.) (Section 7, *see* N.S.W. 6592/*96*)	Bottrell	10,802
37.4	Device for holding animals whilst being castrated or branded. (37.3.) (Section 7, *see* N.S.W. 6592/*96*)	Bottrell	10,802

Complete Specifications Accepted—*continued.*

Group 38.—Fowling; Fishing; Trapping.

38.6	Rabbit trap; spring end-doors with central trigger plate; several variations. (38.7)	Williams	9453
38.7	Rabbit trap; spring end-doors with central trigger plate; several variations. (38.6)	Williams	9453

Group 39.—Harness; Animal Power.

39.6	Horse collars; tubular frames; flexible spring throat connexion with adjusting strap	Halliday	10,754

Group 43.—Wearing Apparel.

43.8	Ventilated straw hat; openwork band of straw lattice	Wood	8834

Group 50.—Typographic Printing.

50.5	Monotype keyboard perforators; selective and controlling devices developing G.B.18,638/99	Bancroft	10,445

Group 56.—Counting, Measuring, Weighing.

56.2	Two-cylinder ready-reckoner for cream percentage, with guide scales or screens. (36.2)	Sanderson	C.a.P. 9247
56.5	Measuring oxygen, mixing and warming air, for respiration. (17.3; 23.7; 69.4; 78.2; 88.1)	Gray	C.aP. 8842

Group 59.—Conveying and Lifting.

59.1	Portable post and pivot crane for loading hay; whip haulage; hay grabbers, 2 forms. (32.7)	Wright	10,815

Group 60.—Mechanism; Lubrication.

60.8	Roller turntable for rotary stamp mortar. (10.2; 10.5)	Richards	9971

Group 67.—Turbines; Rotary Motors.

67.1	Turbines with reversed double bucket-rings; intermediate piston valves between stages to follow the motion of main reversing slide valve. (67.2)	Dake	10,186
67.2	Turbines with reversed double bucket-rings; intermediate piston valves between stages to follow the motion of main reversing slide valve. (67.1)	Dake	10,186
67.7	Annular-chamber motor; cams on rotor separate pairs of laterally-sliding spring-closed abutments to allow the pistons to pass. (Section 121)	Poulson	10,372

Group 69.—Blowers and Compressors.

69.4	Coupled single acting suction and pressure hand pumps, &c., for artificial respiration. (17.3; 23.7; 56.5; 87.2; 88.1)	Gray	C.a.P. 8842

Group 77.—Locks, Bolts, Safes, &c.

77.3	Double door-lock; tumbler mortise-lock with external pin cylinder for latch key	Thomas	10,913

Group 78.—Structural Hardware.

78.9	Flat-bar spouting bracket, with space for a moulding under the spout. (81.4)	Roberts	C.a.P. 8335

Group 80.—Carpentry.

80.3	Carpenters' vice; lifting jaw and adjustable rack stock for gripping boards, &c.	Lockley	C.a.P. 9230
80.3	Bench stop; vertical slide and adjusting screw	Robson	C.a.P. 9441

Group 81.—Buildings, Streets, Fencing.

81.4	Flat-bar spouting bracket with space for a moulding under the spout. (78.9)	Roberts	C.a.P. 8335

Complete Specifications Accepted—*continued.*

Group 86.—Sanitation.

86.5 Tar cart with furnace, sand hopper, distributors, reciprocating and stationary brushes Southgate C.a.P. 9224

86.6 Portable rubbish kiln; central chimney with lateral draft tubes ... Turner C.a.P. 10,469

Group 87.—Medicine.

87.2 Hand pumps, &c., using warm air and oxygen for artificial respiration. (17.3; 23.7; 56.5; 69.4; 88.1) Gray C.a.P. 8842

Group 88.—Salvage, Accidents.

88.1 Hand pumps, &c., using warm air and oxygen for artificial respiration. (17.3; 23.7; 56.5; 69.4; 87.2) Gray C.a.P. 8842

Group 89.—War.

89.5 Attaching spotting discs to pins by stellate opening clipped on a grooved pin Gray C.a.P. 9192

89.5 Windage slide moved by pins projecting through slots Rogers C.a.P. 10,233

Group 93.—Road Vehicles.

93.4 Vehicle wheel; cellular metallic felloes tightened in tyre by nuts on metal-ended wood spokes. (97.2) Noonan C.a.P. 9162

Group 97.—Wheels.

97.2 Vehicle wheel; cellular metallic felloes tightened in tyre by nuts on metal-ended wood spokes. (93.4) Noonan C.a.P. 9162

Complete Specification open to Public Inspection before Acceptance,

UNDER SEC. 121, "PATENTS ACT 1903."

The specifications may be seen at the Patent Office, Melbourne, on payment of the fee of One Shilling.

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling).

Sun prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne.

1908.

11,547. EMPIRE LIGHT LIMITED, 100 St. Martin's-lane, Charing Cross, London, Eng., lamp manufacturer (*assignee of* Jacob Henry MIESS, *act. inv.*, Radcliffe House, Radcliffe-avenue, Harlesden, Middlesex, Eng., foreman mechanic),

Application under Sec. 121.

[Date applied for 22nd May, 1907, being date of an application in Germany. Application also made in England, 27th March, 1908, No. 6847; Canada, 9th April, 1907; U.S.A., 28th May, 1907; and Germany, 5th Nov., 1907.]

"Improvements in vapour burning apparatus."

Printed Specifications Published.

Vols. 26 to 30, comprising Applications numbered from 5000 to 5999, are now complete, with title pages, &c.

Vols. 31 to 35 comprise Applications from 6000 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

Victoria:
Melbourne—Commonwealth Patent Office, Rialto.
Public Library, Swanston-street.
Prahran—City Library, Town Hall.

New South Wales:
Sydney—Trade Marks Sub-office, Pitt-street.
Public Library, Macquarie-street.

Queensland:
Brisbane—Custom House, Queen-street.
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South Australia:
Adelaide—Post Office Buildings, King William-street.
Public Library, North Terrace.

Western Australia:
Perth—Custom House, William-street.
Public Library, Beaufort-street.

Tasmania:
Hobart—Custom House.

New Zealand:
Wellington—Patents Office.

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Commonwealth Office, 72 Victoria-street.
Birmingham—Reference Library, Eden-place.
Dublin—National Library, Kildare-street.
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United States of America:
Washington, D.C.—Patent Office.

France:
Paris—Office National de la Propriété Industrielle, 292 Rue Saint-Martin.

Germany:
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Other places will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6005, 6016, 6036, 6053, 6066-7, void applications.
6091. P. DEGAIL. *Lock-stitch needles.* Classes 42.1; 42.7; 44.5.
6095. J. W. HOBBS. *Fence droppers.* Class 81.8.
6107, 6117, 6130-4, void applications.
6139. G. MILLS. *Cream cooling tank.* Classes 29.3; 36.2; 36.3.
6192. H. H. DAVIES. *Flower pot.* Classes 19.1; 31.4.
6272, 6275-8, 6312-3, 6324-6, 6378, 6404-5, 6415-7, 6419-21, void applications.
7496. G. B. RUSSELL and OTHERS. *Manure process.* Classes 31.7; 38.5.

1907.

7974. DIBDIN and WOLTERECK. *Illuminating and heating gas.* Classes 07.9; 09.3; 21.3.
8003. H. J. M. A. HUGUET. *Amalgamating ores.* Class 13.6.
8059. A. W. STONE. *Measuring hides.* Classes 47.3; 56.4; 56.8.
8060. P. B. WEBB. *Sheep brand.* Class 37.4.
8162. T. H. PERROTT. *Valves for vessels.* Classes 14.7; 74.8.
8533. J. E. CARROLL. *Distilling spirits.* Classes 27.1; 28.5.
8649. G. F. JAUBERT. *Peroxide of potassium.* Classes 07.7; 08.1.
8733. J. G. NASH. *Gas producers.* Classes 16.30; 16.8; 21.2.
9047. H. HUGHES. (R. COSKERIE and W. H. HUGHES). *Concrete.* Class 18.5.
9083. F. WATTNE (SÖILAND). *Tins for preserved food.* Class 57.5.

Printed Specifications Published—*continued.*

1907.

9096. J. Ward. *Tar paving.* Classes 10.8; 18.7; 56.5.
9207. C. A. Parsons and Others. *Blading for turbines, &c.* Class 67.2.
9217. The Linotype Co. Ltd. (Holliwell). *Casting linotypes.* Class 50.5.
9218. The Linotype Co. Ltd. (Hall). *Moulds for lines of type.* Class 50.5.
9293. W. T. and M. Roberts. *Mud pump bore holes.* Classes 68.5; 85.2.
9300. British Insulated and Helsby Cables Ltd. (Vyle). *Telegraph instruments.* Class 05.2.
9315. Maatschappij tot vervaardiging van Snijmachines volgens "van Berkel's Patent" en van andere werktuigen (Roest). *Meat slicer.* Classes 10.7; 35.1.
9360. A. H. Warmsley. *Gas from petrol, &c.* Classes 21.4; 21.6; 74.8.
9413. H. A. Stuart. *Milk can.* Classes 36.2; 57.5.
9416. R. Purser. *Fertilizer drills.* Classes 31.1; 60.2; 74.5; 93.3.
9425. Mergenthaler Linotype Co. (Rogers). *Linotype machines.* Class 50.5.
9466. J. Gled-Hill (Edmunds). *Freezing machine.* Classes 29.7; 34.8.
9526. Moon-Hopkins Billing Machine Co. (Hopkins). *Calculating machine.* Classes 50.4; 56.2.
9543. C. W. Sponsel. *Typewriters.* Class 50.4.
9605. A. Fischer. *Dressing sterilizers.* Classes 63.7; 87.2.
9733. G. G. Turri (Bartlett). *Bottle seals.* Class 57.5.
9773. H. L. Hartenstein. *Carbide.* Class 08.2.
9777. H. L. Hartenstein. *Carbide.* Class 08.2.
9781. C. H. E. Hope-Johnstone (Litsche). *Preparing milk for food.* Classes 36.3; 36.9.
9782. C. H. E. Hope-Johnstone (Bachaus). *Treating milk for food.* Classes 09.9; 36.3; 36.9.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*20th May, 1908.*			
8246	15 Mar.	F. Walsh (de Perini) ...	Brazil	Decortication	154
9859	25 Sept.	F. Corry	Vic.	Loading cream cans, &c. ...	709
9974	9 Oct.	A Davis	U.S.A.	Acetylene gas generators ...	634
9996	11 Oct.	R. J. Farmer	N.S.W.	Closets or privies ...	651
10,172	6 Nov.	A. W. Chatfield ...	N.Z.	Replanting, &c., teeth ...	707

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page
	1907.	*21st May, 1908.*			
9808	19 Sept.	W. E Reynolds & A. G. Tomkies	N.Z.	Belt fastener	594
		22nd May, 1908.			
8488	16 Apr.	J. T. Carrick & B. S. Pattison	S. Af.	Treating sulphide ores ...	7
9307	24 July	H. Thompson	Vic.	Nutmeg grater	728
9771	17 Sept.	H. L. Hartenstein ...	U.S.A.	Calcium carbide	579
9772	17 Sept.	H. L. Hartenstein ...	U.S.A.	Manufacturing carbid ...	579
9968	9 Oct.	B. F. Keating	Vic.	Talking machines ...	634
10,040	17 Oct.	Muriel M. S. Binney ...	N.S.W.	Folding bassinet or cot ...	666
		23rd May, 1908.			
7849	23 Jan.	T. B. Brock	S.A.	Filling bags	635
7872	26 Jan.	L. Gaumont	France	Cinematographs, &c. ...	51
8036	20 Feb.	W. E. Adams	N.S.W.	Construction of walls ...	91
9774	17 Sept.	H. L. Hartenstein ...	U.S.A.	Electric furnaces	579
9775	17 Sept.	H. L. Hartenstein ...	U.S.A.	Carbon holders	579
		25th May, 1908.			
8079	22 Feb.	Un. Shoe Mach. Co. (Bates & Briggs)	Eng.	Inserting fasteners ...	795
8080	22 Feb.	Un. Shoe Mach. Co. (Eppler)	U.S.A.	Reinforcing insoles ...	795
8081	22 Feb.	Un. Shoe Mach. Co. (Johnson)	U.S.A.	Insoles	795
8082	22 Feb.	Un. Shoe Mach. Co. (Wadsworth & Shortland)	Eng.	Work-feeding mechanism...	796
9886	30 Sept.	A. Clegg	N.Z.	Fetlock guard, &c. ...	615
10,028	16 Oct.	C. Sellenscheidt ...	Germany	Lining filter elements ...	652

Application in respect of which a Complete Specification has been Accepted, but on which no Patent has been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page
	1906.				
6129	12 June	F. Clutsam	Vic.	Pianofortes, &c.	606

NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Application for Leave to Amend.

Notice is hereby given that any person or persons intending to oppose this Application must leave at the Commonwealth Patent Office, Melbourne, within one month from the 3rd June, 1908, notice in the prescribed form of his or their objections thereto.

New South Wales Letters Patent No. 11,575, dated the 29th November, 1901, granted to Charles Vincent Potter and assigned to Potter's Sulphide Ore Treatment Limited for "An improved solution to be used in, and process for, the separation of metals from sulphide ores."

Potter's Sulphide Ore Treatment Limited has applied for leave to amend the Specification connected with the Letters Patent above referred to.

The proposed amendments are as follow:—

Page 1, *delete* word "metals" in the second line of title and *substitute* therefor the words "metallic sulphides" and *delete* the word "metals" and *substitute* therefor the words "metallic sulphides" in the fifth line on the same page.

Page 2, line 2, *insert* words "when necessary" before word "pulverised".

Page 2, line 6, *delete* words "any acid (preferably" before word "sulphuric" and *delete* words "for reasons" after the word "acid".

Page 2, line 7, *delete* words "hereinafter stated)" and *insert* "or any other suitable acid".

Page 2, line 8, *insert* in brackets, with comma after brackets the words "but preferably sulphuric acid" before the word "the".

Page 2, line 11, *insert* the following words beginning on this line and ending at the end of the second page, namely :—

"Heat being applied, the effect of the acidulated solution when admixed becomes apparent by the bubbling up and gathering on the surface of the fluid of the metallic sulphides in the form of a thick pasty mass. Should this pasty mass be scanty, thin, and not swell and accumulate rapidly so as to overflow the vat if not skimmed off, more acid must be added until the maximum separative activity is reached, which very slight experience and observation in applying this treatment to sulphide ores will enable the operator to determine. While the exact acidulated strength of such solution will depend on the metallic contents and general condition of the ore, ascertainable only by observation when under treatment as aforesaid, any variation of the acidulated strength found necessary or expedient will remain well within the limit before stated, namely of from one to ten per cent. of the whole solution. The suitability of any sulphide ore for treatment by this process with any acid can be determined very readily by placing a small quantity of the pulverised ore in a glass tube".

Page 3, line 1, *insert* the words "or beaker with a solution of such acid and admixing"

Page 3, line 2, *insert* the words "and heating same over a bunsen burner or lamp' '.

Page 3, line 3, *insert* the words "the sulphides of" after the word "containing".

Page 3, line 4, *insert* the word "and" before the word "iron" and *delete* the words "and silver in combination" after the word "iron" and *insert* the words "either with or with-" after the word "combination".

Page 3, line 5, *insert* the words "-out silver free or combined", before the word "with" and *delete* the words "with sulphur" after the word "combined".

Page 3, line 9, *delete* full stop after word "stirrers" and *substitute* a comma therefor, and after word "stirrers" *insert* the words "or other means for admixing".

Page 3, line 10, *insert* the words "the ore and acidulated solution" before the word "The" and *insert* full stop after the word "solution".

Page 3, line 20, *delete* the words "I use sulphuric acid preferably by reason" after the word "treatment".

Page 3, line 21, *delete* the following words commencing on this line and ending on line 30 of this page 3 namely,

"of its cheapness and its production as a by-product resulting from the process or treatment herein described. While the exact acidulated strength of such solution will depend on the metallic contents and general condition of the ore ascertainable only by observation when under treatment as aforesaid, any variation of the acidulated strength found necessary or expedient will remain well within the limit before stated, namely of from one to ten per cent. of the whole solution".

Page 4, line 2, *delete* the words "to some small extent" after the word "varying".

Application for Leave to Amend—*continued.*

Page 4, line 4, *insert* the words "the proportion of solution" after the word "fineness".

Page 4, line 5, *insert* the words "being increased when the ore is pulverised very".

Page 4, line 6, *insert* the words "fine, and the stirring or admixture being then carried".

Page 4, line 7, *insert* the words "out with greater care" and full stop after word "care" before the word "The" and after the word "stirrers" *insert* the words "or other appli-".

Page 4, line 8, *insert* the words "-ances for admixing" before the word "are" and *delete* the word "freely" before the word "used".

Page 4, line 11, *insert* the words "or by any other suitable means" with full stop after the word "means" after the word "vessel".

Page 4, line 13, *insert* words "large quantities" after word "causes."

Page 4, line 14, *insert* word "of" before word "the" and *insert* words "metallic sulphides" after word "metals" also *delete* the word "metals" after word "the".

Page 4, line 16, *delete* word "it" after word "which" and *insert* word "they" before word "may".

Page 4, line 19, *delete* words "The gangue" after word "treatment".

Page 4, line 20, *delete* the following words occurring in line 20, 21, 22, 23, 24, namely,

"accumulating in the bottom of the separating vat containing a small proportion of gold and silver as well as all the rhodonite, garnets, silica, and the like can be then further treated by cyanide or other of the well known means or processes, and the gold".

Page 4, line 25, *delete* the words "and silver be thus extracted therefrom." before the word "The".

Page 4, line 30, *delete* the word "The" after the word "diminished".

Page 4, line 31, *delete* the following words in lines 31, 32, and 33, namely,

"skimmings or concentrates containing all the metals free from gangue are then mixed with a certain quantity of crushed or coarsely broken up iron or".

Page 5, line 1, *delete* all the words in this page, commencing from the word "iron" and ending with the word "containing" both inclusive.

Page 6, line 1, *delete* all the words in lines 1 to 8 both inclusive commencing with the word "practically" and ending with the word "obtained".

Page 6, line 13, strike out claim 1.

Page 6, line 19, strike out numeral "2" and *insert* numeral "1" therefor, also *delete* word "metals" and *insert* word "metallic" after word "metals".

Page 6, line 20, *insert* word "sulphides" before word "from".

Page 6, line 23, *insert* words "hereinbefore described" before word "and".

Page 6, line 25, *delete* word "metals" after word "the" and *insert* words "metallic sulphides" after word "metals".

Page 6, line 27, *delete* numeral "3" and *substitute* "2" therefor, also *insert* word "metallic" after word "metals" and *strike out* word "metals" after word "separating".

Page 6, line 28, *insert* word "sulphides" before word "from".

Page 6, line 29, *insert* word "therewith" after word "mixing".

Page 6, line 30, *insert* words "hereinbefore described" before word "therewith" and *delete* word "therewith" before word "stirring".

Page 7, line 1, *delete* word "metals" after word "such" and *insert* word "sulphides" before word "from".

Page 7, line 3, *delete* words "concentrates or metals" after word "such" and *insert* word "sulphides" before word "ready".

Page 7, line 4, *delete* the words "as and in manner hereinbefore" after the word "treatment" and insert a full stop after the word "treatment".

Page 7, line 5, strike out the word "described".

The references are to the certified copy lodged with the Application for Amendment on 29th April, 1908.

G. M. ROBB,
Deputy Commissioner of Patents.

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Vol. 6.—Applications and Proceedings, 1907

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The issues of *The Australian Official Journal of Patents* for each year comprise several portions which may be bound separately; the completion of each volume will be notified in the *Journal*.

I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

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Vol. 8.] 1908. [No. 21.
(WITH SUPPLEMENT).
Tuesday, 9th June.

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"A wire bale tie making machine"

are prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS & SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

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The Australian Official Journal of Patents

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NOTICES.

International Arrangements.

It is hereby notified for public information that a cablegram has been received by His Excellency the Governor-General from the Right Honorable the Secretary of State for the Colonies intimating that the adherence of the Commonwealth to the International Convention for the Protection of Industrial Property will take effect from the 5th day of August, 1907.

Payment of Acceptance and Sealing Fees.

Applicants and Patent Attorneys are hereby notified that the fees prescribed by the *Patents Act* 1903 for acceptance and sealing may be paid at the same time as the application fee.

The acceptance and sealing fees (in cases where an application is not accepted), and the sealing fee (in cases where a patent is not sealed), will be refunded upon receipt of a request in the proper form, obtainable at the Patent Office.

With regard to applications which have already been lodged, the above-mentioned fees may be paid by Applicants or Attorneys forthwith, and such fees will be held by the Office on the conditions as to refund specified above.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 28th May to 3rd June, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Thursday, 28th May.

11,596. *Prov.* Thomas Vernell BARTLETT, *act. inv.*, 3 Otter-street, Collingwood, Vic., painter and paperhanger, and Robert HOULDEN, *assignee*, 105 Johnston-street, Fitzroy, Vic., dealer,

"Improvements in or connected with chimney cowls."

11,597. *Prov.* Edward Hope KIRKBY, 120 Bathurst-street, Sydney, N.S.W., electrician,

"Improvements in thermostatic alarms or indicators."

11,598. *Prov.* John WILSON, Auckland, N.Z., cement manufacturer,

"Improvements in ferro-concrete structures."

11,599. *Prov.* Francis Ernest PIESSE, Wagin, W.A., farmer and blacksmith,

"Improvements in rifle sights."

11,600. *Prov.* Oswald John Alexander FORRESTER, Glendaruel, Vic., farmer,

"Improved means for putting a windmill out of action."

11,601. *Prov.* Thomas Vernell BARTLETT, *act. inv.*, 3 Otter-street, Collingwood, Vic., painter and paperhanger, and Robert HOULDEN, *assignee*, 105 Johnston-street, Fitzroy, Vic., dealer,

"An improved floor and ceiling cramp."

11,602. *Prov.* William Francis DUGINS, Peel-street, Kew, Vic., engineer,

"An improved boot fastener for boots, shoes and the like."

11,603. *Prov.* William WALKERDEN, Brisbane, Qld., bootmaker,

"Improvements in and relating to pens."

11,604. *Prov.* James Henry ROSE, 2 Botany-street, Redfern, N.S.W., mechanical engineer,

"Improvements in vibrating forks of sheep shearing machines."

11,605. *Comp.* Wilhelmus Adrianus VAN BERKEL, 54 Boezemsingel, Rotterdam, Holland, engineer,

"Improvements in devices for sharpening the rotary circular knives of meat slicing machines."

11,606. *Comp.* John Elder FORSYTH, Homebush-road, Homebush, N.S.W., dentist,

"A dental cast and swage machine."

11,607. *Prov.* Edwin Randolph MAGNUS, 185 Macquarie-street, Sydney, N.S.W., dentist,

"Improvements relating to casting dental and like work."

11,608. *Prov.* James Norman CAUGHT, Marli House, Esplanade, St. Kilda, Vic., engineer,

"Improvements in that type of marine and other steam engine in which a reciprocatory motion is converted into a rotary motion."

11,609. *Prov.* Thomas Vernell BARTLETT, *act. inv.*, 3 Otter-street, Collingwood, Vic., painter and paperhanger, and Robert HOULDEN, *assignee*, 105 Johnston-street, Fitzroy, Vic., dealer,

"An improved window catch."

Applications received, 28th May to 3rd June—*continued.*

Friday, 29th May.

11,610. *Prov.* Edward Aland, bootmaker, and Anthony Henry Scott, estate agent, both of Heidelberg-road, Ivanhoe, Vic.,

"An improved boot or shoe."

11,611. *Prov.* Nicholas William John Walsh, Raymond-street, Sale, Vic., cycle and motor builder,

"A new mechanical contrivance to be used on bicycles in place of a free wheel, and brake for use therewith."

11,612. *Prov.* Christopher Angus, Tallarook, Vic., farm labourer,

"Improvements in audible and other signal mechanism to be operated as by rolling stock."

11,613. *Prov.* John McLaren, North-street, Ascot Vale, Vic., business manager,

"An improved soft metal headed nail."

11,614. *Prov.* Askin Morrison Nicholas, Stannary Hills, *viâ* Cairns, Qld., mining engineer,

"An improved concentrating surface for vanner belts and the like."

11,615. *Prov.* Friedrich Wilhelm Hamdorf, Loxton, S.A., farmer,

"An improvement in stump jump ploughs."

11,616. *Prov.* Petrus Van Lanschott Alkemade, 448A Flinders-street, Melbourne, Vic., lime and cement merchant,

"Rabbit trapping wire netting."

11,617. *Prov.* Arthur Jones, Bondoola, Rockhampton, Qld., engineer,

"Bondoola disk stump jump plough or cultivator."

Saturday, 30th May.

11,618. *Prov.* Fred Blackwell, Wynyard, Tas., estate and commission agent,

"Improvements in potato diggers."

11,619. *Prov.* Donald Malcolm McLeod, Whyte-Yarcowie, S.A., station manager,

"Improvements in sheep shearing machines."

Monday, 1st June.

11,620. *Prov.* William Joyce Trent, Pakenham-street, Echuca, Vic., engineer,

"A device for extinguishing the light of lamps and lanterns when overturned or falling and for preventing the danger of fire therefrom."

11,621. *Prov.* James Hardgrave Shekleton, care of Central Hotel, Wellington-street, Perth, W.A., inventor,

"Improved bond for the manufacture of briquettes."

11,622. *Prov.* Robert Bremner Douglas, *act. inv.*, Laanecoorie, Vic., and George Frederick Martin, *assignee*, Newbridge, Vic., farmers,

"A comb to prevent choking in harvesters and stripping machines."

11,623. *Prov.* Herbert Leslie Skinner, "Norwood," Campbell-street, Milson's Point, N.S.W., commercial traveller, and George Brennan, "Sunnyside," Rainford-street, Surrey Hills, engineer,

"Improved sliding net and housing post for tennis and like games."

11,624. *Prov.* John Drysdale, Dover, Port Esperance, Tas., storekeeper,

"The 'Eclipse' acetylene gas generator automatic."

11,625. *Prov.* Alexander Adams, 87 Buckley-street, Footscray, Vic., stonemason,

"Hand lever press for making concrete building blocks."

11,626. *Comp.* William Joseph Thompson, York-street, South Melbourne, Vic., ice cream manufacturer,

"Improvements in freezing apparatus."

11,627. *Prov.* George William Green, Lion's Lair, Woy Woy, N.S.W., carpenter,

"An improved clothes peg."

11,628. *Prov.* Samuel Slater, *jun.*, and John Slater, trading together as T. Green & Co., Mary Ann-street, Ultimo, N.S.W., brass founders and finishers,

"Improved water fire-service pipe connections."

Applications received, 28th May to 3rd June—*continued.*

11,629. *Prov.* Thomas Charles CAMERON, Wesley Hill, Castlemaine, Vic., miner,

"Improvements in anti-fraud bottles and stoppers."

11,630. *Prov.* Frederick PEACHEY, Young-street, Croydon, N.S.W., and Wynyard-street, Sydney, N.S.W., clerk,

"Automatic linoleum measurer."

11,631. *Comp.* Thomas Morris DAVIES, managing director, and THE STEPNEY SPARE MOTOR WHEEL LIMITED, manufacturer, both of The Stepney Works, Llanelly, Carmarthen, South Wales,

Application under Sec. 121.

[Date applied for, 14th Nov., 1907, being date of application in Great Britain, No. 25,284/07.]

"An improved wheel specially adapted to receive an auxiliary or spare rim."

11,632. *Comp.* Edward Needham WATERS, 414-418 Collins-street, Melbourne, Vic., patent attorneys (*communicatee of* LINOTYPE AND MACHINERY LIMITED, 188 and 189 Fleet-street, London, Eng., *assignee of* William James RENNIE, *act. inv.*, 156 St. Antoine-street, Montreal, Canada, engineer),

"Improvements in the assemblers of typographic composing machines."

Tuesday, 2nd June.

11,633. *Prov.* Herbert Henry FREEMAN, 337 Drummond-street, Carlton, Vic., coach painter,

"An improved sealing device for mail-bags and the like."

11,634. *Prov.* Ambrose DOXEY, "Glendoxey," Seymour, Vic., grazier,

"An improved machine for spraying sheep and fruit trees and the like."

11,635. *Prov.* William BLUE, 511 Argent-street North, Broken Hill, N.S.W.,

"A method to recover metals fume and other products from ores low in sulphur."

11,636. *Comp.* Ivor BEVAN, *assignee*, 92 Cannon-street, London, E.C., Eng., merchant, and Frederic ANDERSON, *act. inv.*, Freya, near Johannesburg, Transvaal, S. Af., engineer,

"Improvements in straightway valves."

11,637. *Comp.* The Hon. Charles Algernon PARSONS, *C.B.*, and Alexander Henry LAW, both of Heaton Works, Newcastle-on-Tyne, Northumberlandshire, Eng., engineers,

"Improvements in and relating to the regulation of dynamo electric machinery."

11,638. *Comp.* Orville John PARKER, 25 Rathdown-street, Carlton, Vic., merchant,

"Improved method of and apparatus for the distillation and calcination of wood and similar combustible carbonaceous materials and like substances."

11,639. *Prov.* Fritz BAUMGAERTNER, Glen Innes, N.S.W., civil and mechanical engineer,

"Improved locomotive recorder for road vehicles."

11,640. *Comp.* Roman VON ZELEWSKI, Engis, Belgium, manager,

Application under Sec. 85, additional to 9919/07.

"Mechanical roasting furnace."

11,641. *Comp.* Julio SPELTA, 745 Calle Tucuman, Buenos Aires, Argentine Republic, painter,

"Process for preventing the rust and for the protection of the hulls of ships."

11,642. *Prov.* William Henry MUMFORD, Kempton-street, Rockdale, N.S.W., boiler maker,

"A mixture for rendering coal or other carbonaceous fuel smokeless when ignited."

11,643. *Comp.* John Humphreys ALLEN, 6 O'Connell-street, Sydney, N.S.W., salesman,

"A portable device for filling bottles and the like."

11,644. *Prov.* Henry MERRETT, Spring Vale-road, East Burwood, Vic., engineer, and Charles Edward MERRETT, 48 Queen's Bridge-street, South Melbourne, Vic., merchant,

"Improvements in oil engines."

11,645. *Prov.* John Joseph Weldon FLEMMING, 356 Albert-road, Albert Park, Vic., metal stainer and plater,

"Marking ink and hair dye."

Applications received, 28th May to 3rd June—*continued.*

11,646. *Prov.* John Joseph Weldon Flemming, 356 Albert-road, Albert Park, Vic., metal stainer and plater,

"High temperature candles hardening and whitening tallow and other fatty substances."

Wednesday, 3rd June.

11,647. *Prov.* William Ball, *F.R.M.S.*, Millewa Chambers, High-street, Echuca, Vic., surgeon dentist,

"An improved hypodermic syringe."

11,648. *Comp.* Mathurin Tarrisse, 22 Boulevard de Versailles, Suresnes, Seine, France, engineer,

"Improvements in devices for the transmission of motive power by friction wheels."

11,649. *Comp.* Charles Edmund Johnson, 41 Davey-street, Hobart, Tas., clerk,

"A gyratory-piston engine."

11,650. *Prov.* David Phillips, merchant, care of Michaelis Hallenstein Proprietary Limited, 384 Lonsdale-street, Melbourne, Vic. (*communicatee of* John Mitchell Craigie, *act. inv.*, boot manufacturer, and Wilfred John Miller Craigie, *act. inv.*, clicker, both of Dunedin, N.Z.),

"Improved manufacture of whole-backs for boots."

11,651. *Prov.* John Lewis Smith, 3 Adair-street, Ballarat, Vic., engineer,

"An improved machine for cleaning and grading wheat and other grain."

11,652. *Prov.* Henry Winfield Mummery, 116 Hawke-street, West Melbourne, Vic., fireman,

"Spark arrester."

11,653. *Prov.* James Johnson Shuttleworth, Lauriston, Parramatta-road, Ryde, N.S.W., architect,

"Improvements relating to vault and grave structures and coverings."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1908.

10,966. Beck, A.
A furnace for treatment of metal ores and other materials.
10,970. Nagel, O.
An improved post-hole digger.
11,203. Brooks, T.
Process for the extraction of gold from argillaceous materials.
11,252. McBride, T. J.
11,370. Cuttriss, E. J., & King, T. S.
11,380. Palmer, W. H.
11,393. Page, J.
11,396. Burnett, F. T.
11,397. Gale, J.
11,398. Flemming, J. J. W.
11,399. Flemming, J. J. W.
11,400. Day, H. F.
11,403. Dawson, B. F. H.
11,404. Bland, L. N.
11,405. Bland, L. N.
11,413. Lancaster, H. J.
11,414. Watts, W.
11,415. Williams, A. H.
11,417. Lennard, Dorothy
11,420. Meyers, E.
11,421. Halliday, J.
11,422. Sangster, W. B.
11,423. Hart, L. H., & Bones, G. J.
11,429. Erickson, G.
11,430. Phillips, S. J.
11,433. Hansen, C.
11,435. Thurlow, E. W.
11,437. Bainbridge, W. A.
11,438. Henry, W.
11,441. Maxwell, F. H.
11,443. Kennedy, E. E.
11,445. Gwynne, A. P.
11,446. Angus, A. R.
11,447. Brazenall, E.
11,452. Priest, S.
11,456. Seitz, E.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the Complete Specification was lodged.

1907.

9380. William HOWARTH, corner of Waverley-road and Turner-street, East Malvern, Vic., storekeeper,

"An improved combination reminder and date calendar." 30th May, 1908.

9383. Edmund Wilson GREENWOOD, 56 St. Francis-street, Melbourne, Vic., manufacturer,

"Improvements in roller-blind fittings." 1st June, 1908.

9629. T. ROBINSON, & Co. PROPRIETARY LIMITED, Spotswood, Vic., manufacturers (*assignee of* Nicholls Ralph GOODWIN, *act. inv.*),

"Improvements in disc plows." 28th May, 1908.

9645. Frederick Acmon DAVIDSON, 19 to 21 Wreckyn-street, North Melbourne, Vic., foreman engineer,

"Improved bagging cylinder cut off for chaff cutting or other machines." 29th May, 1908.

9646. William Gabriel BARGER, 231 Franklin-street, Melbourne, Vic., agricultural implement maker,

"An improved two or more furrow reversible disc plough." 29th May, 1908.

9656. John Walter WARING, 490 Elizabeth-street, Melbourne, Vic., coachbuilder,

"Spring washer and axle box for buggies carts and other light vehicles." 2nd June, 1908.

9657. Herbert Vaughan HAMPTON, 504 Elizabeth-street, Melbourne, Vic., engineer,

"Improvements in and connected with the feeding of wood to circular saws." 30th May, 1908.

9718. Alexander ROSS, Winjallok, Vic., farmer,

"Improvements in agricultural rollers." 2nd June, 1908.

10,022. Charles Nicholas COLLISON, 483 Collins-street, Melbourne, Vic., patent attorney (*communicatee of* "Z" ELECTRIC LAMP SYNDICATE LIMITED, manufacturer, *assignee of* Hermann ZERNING, *act. inv.*, 20 St. Helen's-place, London, E.C., Eng.),

"Improvements relating to the manufacture of filaments for electric incandescent lamps." 28th May, 1908.

10,044. Thomas William SANDS, "Silverdene," Victoria-street, Roseville, N.S.W., company manager,

"Improvements in vibrating forks of sheep shearing machines." 3rd June, 1908.

Complete Specifications lodged after Provisional Specifications—*continued.*

11,197. Edward Goderich Greeves, St. Helena, Lismore, N.S.W., farmer,

"An improved process for the extraction of gold." 30th May, 1908.

11,429. Gustaf Erickson, 207 Heidelberg-road, Clifton Hill, Vic., watchmaker,

"Non-leaking pump connection." 3rd June, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

9317. Ryan, M.
9319. Wilson, J. S.
9320. Batty, A. J.
9321. Hasell, A. S., & Wilson, J. W.
9323. Mousley, G. & G. W.
9324. Cliff, F. E.
9325. Price, W. V.
9327. Wallace, H. E., & Clark, E.
9329. Bell, S. E.
9333. Bourke, J. E.
9334. Hughes, J. W.
9335. Carman, Amy H.
9336. Jeffrey, T. I.
9337. Benjamin, M. S.
9339. Martin, Caroline C.
9340. Appleton, E.
9341. Manaton, A. J.
9343. Charnley, W. C.
9345. Stevens, W. T.
9348. Daglish, T., & Brazier, J.
9359. Baird, J.
9362. Frost, E.
9363. Don, R. S.
9364. Mack, Annie M.
9365. Cooling, G.
9366. Hecht, H. F. A.
9368. Smith, P.
9369. Moreton, G. E.
9371. Walker, H. R., & Chadwick, G. C.
9372. Wise, W. C.
9373. Green, G. W.
9374. Wright, J. J.
9375. T. Robinson & Co. Pty. Ltd. (Goodwin).
9376. Doyle, S.

Assignments Registered.

1906.

7612. "Bag filler and rammer."

Assignment of the whole *by* Joseph Richard Barklem *to*

Alfred Henry Barklem and Arthur Gregson. Dated 18th May, 1908. Registered 27th May, 1908.

1907.

8124. "Improvements in double-walled vessels with a space for a vacuum between the walls."

Assignment of the whole *by* Thermos Gesellschaft mit Beschrankter Haftung *to*

Thermos Limited. Dated 31st Mar., 1908. Registered 25th May, 1908.

8378. "Art of producing a combustible gas."

Assignment of one-half interest *by* James Russell Coutts, *to*

Charles Aubrey Eaton. Dated 9th Mar., 1908. Registered 25th May, 1908.

8658. "Improvements in testing ropes for winding hauling and like purposes or the strands or wires therefor."

Assignment of the whole *by* John Alfred Vaughan and William Martin Epton *to*

George Cradock. Dated 31st Dec., 1907. Registered 25th May, 1908.

9581. "Improvements in diaphragms or tympans for phonographic and telephone apparatus."

Assignment of half share *by* Joseph George Coombs *to*

Max Wurcker. Dated 26th Aug., 1907. Registered 26th May, 1908.

9908. "Improvements in dough moulding machinery."

Assignment of the whole *by* George Garibaldi Turri *to*

William Heycock Rippin. Dated 14th May, 1908. Registered 25th May, 1908.

Applications Abandoned, Withdrawn, &c.

1908.

11,179. *Comp.* (*Abandoned.*) George Montagu HEATH, Hoskins Buildings, Spring-street, Sydney, N.S.W., caretaker,

"Counterbalance for cord pendant electric lamps."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8917. Richards, W. J. H., & James, A.
8933. Jost, C.
8943.*Woodman, J. R.
9190.*McDonald, H. E.
9223. The Linotype Co. Ltd.
9281. Murnane, C.
9361. Campbell, Sarah, & Gribbon, J. S.
9430. Elmes, J. T.
9442. Gittins, H. W.
9586. Florey, J. (Walkerden)

1908.

10,611. Livingstone, F.
10,680. Houlden, R.
10,817. Auto-Hydraulic Ld. (Hodder)
10,838. Moss, E.
10,847. Marsh, R. F.
10,873. Quine, R. H.
10,881. Watts, W.
10,894. Taylor, A. (Rowe)
10,930. American Box Ball Co. (Talbert)
10,957. Bennet, W.
10,990. Bruckmann, L.
10,992. Marzi, D.
11,001. Offord, W. F.
11,007. Hartley, W.
11,028. Turner, H.
11,036. Allard, J.
11,038. Booth, N. A.
11,067. McCoy, H. L.
11,105. Baker, F.
11,134. Heinz, N. L.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8943. Joseph Richard Woodman, 731 Abb-street, Valley, Brisbane, Qld., engineer,
"An improved agitating attachment for sprayers."

9190. Henry Edwin McDonald, Walker-street, Lavender Bay, near Sydney, N.S.W., merchant,
"Improved machine for cleansing animal skins."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 05.—Telegraphy and Telephony.

05.2	Relay; magnetically magnified microphonic action. (05.6; 05.7)...	Marzi	10,992
05.6	Receivers and transmitters; magnetically magnified oscillations. (05.2; 05.7)	Marzi	10,992
05.7	Loud speaking telephone; magnetically magnified oscillations. (05.2; 05.6)	Marzi	10,992

Group 16.—Furnaces.

16.2	Recuperative gas furnace for zinc retorts; hot air inlets distributed amongst retorts. (17.1; 17.3)	Heinz	11,134
16.8	Sectional turn-over grates in steam boilers, stoves, &c., removable stops. (24.2)	Richards	8917

Group 17.—Chimneys, Fumes, Smoke.

17.1	Air and gas flues to combustion chambers; tile pipes and jets. (16.2; 17.3)	Heinz	11,134
17.3	Recuperative arched chambers below zinc retorts; alternate arches for incoming air and out-going waste gases; gas flues in mid-wall. (16.2; 17.1)	Heinz	11,134

Group 19.—Glass and Ceramics.

19.4	Three-part press-dies for pot saucers, &c., with recessed bottoms. (31.4)	Allard	11,036

Group 23.—Bunsen and Incand. Burners.

23.3	Baffle and dirt shield in jet chamber; screw operated pricker. (23.5)	Hartley	11,007
23.5	Downward mantle burner; internal dirt shield; nipple cleaner, &c. (23.3)	Hartley	11,007

Group 24.—Domestic Heating; Cooking.

24.2	Sectional turn-over grates in stoves, steam-boilers, &c.; removable stops. (16.8)	Richards	8917

Group 25.—Washing; Cleaning; Brushes.

25.8	Pincer-clamp, connecting long handles to floor brushes ...	Campbell	C.a.P. 9361

Group 31.—Cultivation.

31.4	Flower-pot saucers, &c., with recessed bottoms; dies. (19.4) ...	Allard	11,036

Group 34.—Cereals, Vegetables, Fruit.

34.2	Fodder; molasses, yeast, &c., mixed hot with 25 per cent. peat; plant diagram. (Section 7, *see* Vic. 21, 349/04)... ...	Livingstone	10,611

Complete Specifications Accepted—*continued.*

Group 37.—Pastoral.

37.1	Tailing guillotine; spring lever clamp; lamp-heated cauterizer. (87.4)	Elmes	C.a.P.	9430

Group 44.—Boots and Shoes; Umbrellas.

44.3	Cushion or spring pads fitted to internal cavity in boot heels ...	Walkerden		9586
44.3	Stud and socket attachments for renewable soles and heels ...	Bennet		10,957

Group 45.—Furniture.

45.5	Hospital bath; seat ledges; deep centre; collapsible stand. (86.1; 87.2.) (Section 121)	Quine		10,873
45.7	Window sun-hood; collapsing hinged sectors of sheet metal ...	Rowe		10,894

Group 46.—Upholstery.

46.1	Mattress; spring wooden slats widened in centre; vermin proof cement and paint	Marsh		10,847

Group 47.—Leather and Plastics.

47.2	Cleaning rabbit skins, &c.; fat crushing rollers, followed by adjustable rotary brushes fed with sawdust. (60.7; 62.7) ...	McDonald	C.a.P.	9190

Group 50.—Typographic Printing.

50.5	Linotype machinery. (1) Hinged doors to magazine mouths. (2) Syllabic manual actions. (3) Two-fount matrices and assembling gear. (4) Half-length slugs. (5) Casting recessed or low slugs. (6) Duplex melting pot for mould flushing. (7) Trimming knives. (8) Repeat action. (9) Late-news "fudge boxes". (Section 7, *see* N.S.W. 10,672/*00*) ...	Lino. Co. Ltd.		9223

Group 53.—Amusements.

53.2	"Box-ball" alley; skittles hinged near top forming spring traps leading balls to gravity return channels; resetting device ...	Talbert		10,930

Group 54.—Commerce.

54.2	Issuing cabinet; racks and detents preventing fraudulent manipulation	Watts		10,881
54.3	Franking letters, &c., by stamped impressions; value selected by pivoted quadrant. (56.2.) (Section 121)	Moss		10,838

Group 56.—Counting, Measuring, Weighing.

56.2	Totalizing aggregate postage value in frank stamping machine. (54.3.) Section 121)	Moss		10,838

Group 57.—Packing, Compressing, Bottling.

57.3	Fusee-traction wool press; lower box divided along traction line, the halves turning down on bottom hinges; lever and brake gear, &c. (60.2)	Murnane	C.a.P.	9281
57.5	Jar cover; bridge clamp with central cam-lever	Gittins	C.a.P.	9442

Group 58.—Chains, Ropes, Wire.

58.7	Wire chain machine; four pairs of cam operated pincers; soldered links; twisted or cable finish. (73.6)	Bruckmann		10,990

Complete Specifications Accepted—*continued.*

Group 60.—Mechanism; Lubrication.

60.2 Double fusee for working ram pivoted lever, two pawls and brake. (57.3) Murnane C.a.P. 9281

60.7 Springs and adjusting screws for brushes of compression rollers. (47.2; 62.7) McDonald C.a.P. 9190

Group 62.—Power Storage.

62.7 Reversed screws for adjusting brush bearings. (47.2; 60.7) ... McDonald C.a.P. 9190

Group 64.—Cranked Engines.

64.7 Lamp-heated air-engine driving ventilating fan; hot-section separated from radiation ribs by insulating flanges, &c. (90.9) ... Jost 8933

Group 68.—Pumps for Liquids.

68.5 Compound pneumatic water lifts, charged by trompe air-mixer; 2 schemes. (74.8) Hodder 10,817

68.9 Nozzle-head with tangential pipes for mixing liquids by air jets. (74.9) Woodman C.a.P. 8943

Group 69.—Blowers and Compressors.

69.4 Water-luted hand-lever air-compressor with spring equalizer bell. Triple water-bell exhaust pump; crank and lever action ... Turner 11,028

Group 73.—Sheet Metal Work.

73.6 Handling jewellers' cable-chain links during twisting and soldering. (58.7) Bruckmann 10,990

Group 74.—Pipes and Fittings.

74.8 Bell floats operating valves of pneumatic water elevator. (68.5) ... Hodder 10,817

74.9 Nozzle-head with tangential pipes for mixing liquids by air jets. 68.9) Woodman C.a.P. 8943

Group 76.—Cutlery; Plate.

76.8 Hemispherical colander; squeezing screw blade; external scraping wire McCoy 11,067

Group 77.—Locks, Bolts, Safes, &c.

77.3 Double hung sashes with graduated or even racks engaged by latch detents released by keys. (78.7) Booth 11,038

Group 78.—Structural Hardware.

78.7 Double hung sashes with graduated or even racks engaged by latch detents released by keys. (77.3) Booth 11,038

Group 80.—Carpentry.

80.3 Flooring cramp; lateral cam-dogs; rack and lever compression; separate detent Houlden 10,680

Group 86.—Sanitation.

86.1 Hospital bath; seat ledges; deep centre; collapsible stand. (45.5; 87.2.) (Section 121) Quine 10,873

Complete Specifications Accepted—*continued.*

Group 87.—Medicine.

87.2	Hospital bath; seat ledges; deep centre; collapsible stand. (45.5; 86.1.) (Section 121)	Quine	10,873
87.4	Tailing guillotine; spring lever clamp; lamp-heated cauterizer. (37.1)	Elmes	C.a.P. 9430
87.4	Hernia trusses; spring mounted hinged pads; two tension levers ...	Offord	11,001

Group 90.—Wind and Flying Machines.

90.9	Open rotary fan driven by small hot-air engine. (64.7) ...	Jost	8933

Group 93.—Road Vehicles.

93.5	Radial sliding feet supported on pneumatic bag and covered by solid rubber outer tyre. (97.81; 97.83; 97.89)	Baker	11,105

Group 97.—Wheels.

97.81	Solid rubber tyre with internal projecting studs engaging wheel. (93.5; 97.83; 97.89)	Baker	11,105
97.83	Rigid central wheel surrounded by air tube, radial sliding blocks and solid rubber outer tyre. (93.5; 97.81; 97.89)	Baker	11,105
97.89	Enclosed air bag protected by sliding radial blocks and outer solid rubber tyre. (93.5; 97.81; 97.83)	Baker	11,105

Printed Specifications Published.

Vols. 26 to 31, comprising Applications numbered from 5000 to 6199, are now complete, with title pages, &c.

Vols. 32 to 35 comprise Applications from 6200 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the following places, where they are open for *free* public inspection:—

The Patent Office Library, Rialto, Melbourne
The Trade Marks Sub-office, Sutton Chambers, Pitt-street, Sydney
The Custom Houses at Brisbane, Adelaide, Perth, and Hobart
The Commonwealth of Australia Office, 72 Victoria-street, Westminster, England
The Patent Office Libraries at London, Paris, Berlin, Washington (U.S.A.), Tokyo, and Wellington (N.Z.),

and to other places which will be duly announced.

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above offices, and later numbers are notified each week as available for purchase, as below:—

1906.

6000 to 6199. Vol. 31. The title sheet is now issued. and the volume is complete for binding, including void notes on separate sheets for the following applications:—6005, 6016, 6036, 6053, 6066-7, 6096-8, 6107, 6117, 6130-4, 6142, 6163-4.

6096-8, void applications.

6269. C. J. H. PAYNE. *Bottle stopper.* Class 57.6.

6351. P. E. BARBER. *Drilling and hilling tool.* Classes 30.1; 31.1.

6360. H. B. and R. A. E. TAYLOR. *Reaping machines.* Class 32.2.

6403. J. H. SAUNDERS. *Pumps.* Classes 68.3; 68.5.

6434, void application.

6443. C. HAMBLIN. *Spoke gauge.* Classes 80.5; 80.8.

6451-3, 6457-8, 6497, 6499-6503, 6505, 6528-9, void applications.

6553. C. KINNERSLY. *Harvesters.* Class 32.3.

6566, 6571, 6578-80, 6615, 6630-5, void applications.

6637. MOFFAT and GOOD. *Horse-collar attachment.* Class 39.6.

6647. F. H. MAXWELL. *Crushing batteries.* Classes 10.2; 11.3.

6648. BROKEN HILL SOUTH SILVER MINING CO. NO LIABILITY (WAINWRIGHT). *Ore sampler.* Class 11.1.

6679. E. R. GODWARD. *Preventing vibration of gas burners.* Classes 22.5; 23.5.

6695-9, void applications.

6700. W. H. HAMMOND. *Water tube steam boiler.* Classes 16.8; 63.4.

6702-4, 6707, void applications.

6749. D. STOREY (COOK). *Shirts.* Classes 43.1; 43.3.

6785. A. RUSSELL. *Wind gauge.* Class 89.5.

6792. M. WHARMBY. *Drain head.* Class 86.4.

6812. J. A. SAYWARD. *Loading and unloading trucks.* Classes 59.9; 93.1.

6814. J. I. MOSS. *Window fastener.* Classes 77.1; 78.7.

6893. F. KELLEN. *Artificial stone.* Class 18.5.

6958. J. L. CAMPBELL. *Stripper comb.* Class 32.3.

6990. H. P. RASMUSSEN (RASMUSSEN and DAVIES). *Closet seat covers.* Class 86.8.

Printed Specifications Published—*continued.*

1906.

7060. A. E. Muirhead. *Steam generators.* Classes 17.2; 59.6; 60.1.
7116. W. Tyree. *Automatic spray.* Classes 21.87; 68.9; 86.2.
7147. A. S. Grenfell. *Ventilation.* Classes 81.6; 85.9.
7153. La Compagnie Francaise des Produits Fixator (Quillot). *Stoppering bottles, &c.* Class 57.5.
7264. H. J. O'Neill. *Spirit level.* Class 00.4.
7276. J. Burley. *Target marker's kit.* Class 89.5.
7279. C. H. O'Brien. *Acetylene generators.* Class 21.85.
7400. Allport and Normoyle. *Finger rings.* Class 87.8.
7485. Omond and Johnson. *Siphon device.* Classes 22.4; 74.5.
7537. J. Potts. *Measuring s. g. of liquids.* Classes 00.8; 36.2; 56.2; 56.6
7545. V. B. Lamb. *Braking device.* Classes 15.4; 96.6.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

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9617	26 Aug.	E. Gunther & R. Franke ...	Germany	Extracting metallic ores ...	528
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NEW SOUTH WALES.

PROCEEDINGS UNDER THE NEW SOUTH WALES "PATENTS ACT 1899."

Assignments Registered.

1902.

12,356. "Improved means applicable for use in the separation of volatile from non-volatile metals metalloids and other metalliferous substances."

Assignment of the whole *by* Edward WATERS *to*

HUNTINGTON HEBERLEIN AND COMPANY LIMITED. Dated 30th Apr., 1908. Registered 26th May, 1908.

12,654. "Improvements in partially rotating valves for fluid pressure engines."

Assignment of the whole *by* William VIVIAN and James VIVIAN *to*

THE TUCKINGMILL FOUNDRY COMPANY LIMITED. Dated 4th Apr., 1908. Registered 26th May, 1908.

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,205 ...	McComas, R. B. ...	5th June, 1915
18,319 ...	Ammonal Explosives Ltd.	18th July, 1915
18,431 ...	Un. Shoe Mach. Co. ...	23rd Aug., 1915

Assignments Registered.

1902.

18,905. "Improvements in process and apparatus for boring holes in rock or similar material in the earth's strata."

Assignment of the whole *by* DAVIS CALYX DRILL COMPANY *to*

Francis Harley DAVIS. Dated 30th Apr., 1904. Registered 14th May, 1908.

19,952. "Improvements in valve mechanism for percussive drills and the like."

Assignment of the whole *by* William VIVIAN and James VIVIAN *to*

THE TUCKINGMILL FOUNDRY COMPANY LIMITED. Dated 4th Apr., 1908. Registered 16th May, 1908.

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
6019	Genn, W. & W. H.	21st May, 1909

1903.

7278	Potter, C. V.	23rd May, 1909

SOUTH AUSTRALIA.

PROCEEDINGS UNDER THE SOUTH AUSTRALIAN PATENTS ACTS, 1877 TO 1902.

In each case both the application and patent numbers are given thus—7360/5464. When referring to an application for which no patent has been granted, the letters N.R. will be used in the second place, thus—3787/NR.; or as the case may be.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to–
7162/5324	Ammonal Explosives Ltd.	18th July, 1915
7222/5367	Un. Shoe Mach. Co.	26th Aug., 1915

WESTERN AUSTRALIA.

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Renewal Fee Paid.

1901.

No.	Name.	Paid up to–
3513	Sprang, F. H.	22nd Aug., 1915

Assignment Registered.

1902.

4002. "Improved means applicable for use in the separation of volatile from non-volatile metals metalloids and other metalliferous substances."

Assignment of the whole *by* Edward WATERS *to*

HUNTINGTON HEBERLEIN AND COMPANY LIMITED. Dated 30th Apr., 1908. Registered 16th May, 1908.

TASMANIA.

PROCEEDINGS UNDER THE TASMANIAN PATENTS DESIGNS AND TRADE MARKS ACT 1893.

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
3118 ...	Ammonal Explosives Ltd.	22nd July, 1915
3331 ...	Hardingham, G. G. M....	18th May, 1915

Assignment Registered.

1902.

3586. "Improvements in partially rotating valves for fluid pressure engines."

Assignment of the whole *by* William VIVIAN and James VIVIAN *to*

THE TUCKINGMILL FOUNDRY COMPANY LIMITED. Dated 4th April, 1908. Registered 26th May, 1908.

G. M. ROBB,
Deputy Commissioner of Patents.

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MAY, 1908.

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MAY, 1908.

This index includes the names of actual inventors, applicants, and other persons or corporations noted in Applications or Proceedings during this month, under the *Patents Act 1903*.

When the applicant is an agent or a corporation, the surname of an actual inventor, assignor, or communicator is added in parentheses, such other names being also indexed under their proper letters.

When fresh names occur in notices of Proceedings subsequent to the Application, the words *assignee*, *opponent*, *licensee*, &c., will be added in italics, to indicate the nature of their interests in the Application.

The abbreviated titles in the second column should not be regarded as completely descriptive of the invention.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification ; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

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CLASSIFIED SUBJECT-MATTER INDEX

TO SPECIFICATIONS LODGED.

MAY, 1908.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

The entries are prepared from a preliminary inspection of the documents, and will be revised after the official examination of the Specifications.

The numbers stated in parentheses after the title indicate that the invention also contains details relating to those classes.

The surname following the title is that of an actual inventor (or applicant), and is given to facilitate the discrimination of inventions having closely related titles.

For the full particulars of the applicants' titles, names, addresses, &c., reference may be made to the *Journal*, under notices of Applications Received.

All Complete Specifications lodged during the period are included, whether received with the Application or following a Provisional Specification; the letter "P" indicates that no Complete Specification was lodged up to the date of compilation.

Class.	Title.	Name.	Number.
	Group 00.—Science.		
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00.1	Feeding animals. (37.1; 39.3)	Priest	P. 11,530
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02.1	Dynamo electric machines. (02.2)	Schuerch	11,571
02.2	Dynamo electric machines. (02.1)	Schuerch	11,571
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Class	Title.	Name.	Number.
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	Group 09.—Organic Chemistry.		
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10.8	Paint mixing machine. (79.3)	Hemingway	9399
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11.4	Gold saver. (60.2; 60.8)	Butters	9500
11.4	Concentrating surface for vanner belts	Nicholas	P. 11,614
11.9	Treating ores. (12.1; 12.5)	Smith	11,565
	Group 12.—Hyd. and Pneu. Separation.		
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12.1	Treating ores. (11.9; 12.5)	Smith	11,565
12.2	Separators or classifiers	Churchill	11,524
12.5	Treating ores. (11.9; 12.1)	Smith	11,565
12.7	Concentrating ores. (11.3)	Fooks	P. 11,517
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13.3	Catching gold	Maxwell	P. 11,441
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15.4	Extracting zinc, &c. (14.1.) (Section 121)	Schlippenbach	11,499
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17.5	Tanning hides. (28.0; 47.2)	Nance	11,556
17.7	Fuel economizer and spark arrester. (17.8)	Aston	P. 11,457
17.7	Combustion chamber for smoke consuming	Hession	P. 11,552
17.8	Spark arrester for locomotives, &c.	Wilson	P. 11,586
17.8	Fuel economizer and spark arrester. (17.7)	Aston	P. 11,457
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Class.	Title.	Name.	Number.
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23.3	Clearing nipples of vapour stoves, &c. (Section 85, *see* 8694/07)	Neighbour	11,545
23.3	Vapour burning apparatus. (23.5.) (Section 121)	Miess	11,547
23.5	Incandescent mantle protector	Seitz	P. 11,456
23.5	Vapour burning apparatus. (23.3.) (Section 121)	Miess	11,547
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24.5	Cast iron frames for coppers. (25.2)	Newberry	11,505
24.5	Portable cooking outfits. (57.8)	Meyers	P. 11,507
24.5	Bath heaters	Jackson	P. 11,536
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25.4	Extracting grease, &c., from wool. (25.2)	Shuman	11,535
25.5	Tumbler washing machine. (54.7)	Lawrence	9429
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25.7	Steam clothes presser. (25.6)	Palmer	11,531
25.8	Broom, &c., handle connexions	Gribbon	9361
25.8	Broom and clamp	Good	P. 11,483
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26.5	Fixing colour of fruit before drying. (31.5; 34.7)	Bradley	9393
	Group 27.—Beverages.		
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29.7	Chocolate confectionery, &c. (33.8; 34.8)	Sinclair	9805
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30.9	Stump-jump implements	Jones	9467
30.9	Spring for cultivator tynes, &c. (30.3)	Elliott	P. 11,480

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31.1	Fertilizer drills	Brooks	P. 11,591
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31.5	Destroying prickly pear. (23.3)	Cowan	P. 11,498
31.9	Stump-jump ploughs	Hamdorf	P. 11,615
31.9	Disc stump-jump plough or cultivator	Jones	P. 11,617
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32.6	Cleaning and grading seeds, &c.	Priest	P. 11,451
32.6	Sieving chaff, &c.	Priest	P. 11,452
32.7	Portable sectional silo. (71.6)	Russell	9552
32.7	Silos	Holloway	P. 11,582
32.7	Potato diggers	Blackwell	P. 11,618
	Group 33.—Tropiculture.		
33.1	Cane cutter	Brown	11,563
33.8	Chocolate confectionery, &c. (29.7; 34.8)	Sinclair	9805
	Group 34.—Cereals, Vegetables, Fruit.		
34.7	Fixing colour of fruit before drying. (26.5; 31.5)	Bradley	9393
34.7	Heating spirit for liquors, &c. (27.1)	Flemming	P. 11,399
34.8	Chocolate confectionery. (29.7; 33.8)	Sinclair	9805
	Group 35.—Meat Food.		
35.1	Meat hook for butchers' shops	Bainbridge	P. 11,437
	Group 36.—Dairy Food.		
36.1	Milking machine pulsators. (65.4)	Kerr	P. 11,587
36.2	Liquid strainer. (24.7)	Petrie	P. 11,497
36.2	Cream pump. (68.3)	Hartmann	P. 11,514
36.7	Table or bench churn	Wileman	9995
36.8	Folding wire butter cutter	Shelton	P. 11,479
36.9	Cheeses and markers. (56.5)	Williams	P. 11,415
	Group 37.—Pastoral.		
37.1	Lamb tailing and searing. (87.4)	Elmes	9430
37.1	Feeding animals. (00.1; 39.3)	Priest	P. 11,530
37.6	Estimating moisture in wool. (56.5; 57.3)	Searle	9358
37.6	Shearing machine	Falkiner	P. 11,450
37.6	Vibrating forks of sheep shears	Rose	P. 11,604
37.6	Sheep shearing machines	McLeod	P. 11,619
	Group 38.—Fowling; Fishing; Trapping.		
38.6	Rabbit trapping wire netting. (58.5)	Alkemade	P. 11,616
38.9	Rabbit burrow fumigator. (68.9)	Coghill	11,436
	Group 39.—Harness; Animal Power.		
39.3	Feeding animals. (00.1; 37.1)	Priest	P. 11,530
	Group 40.—Textile Raw Materials.		
40.1	Treating ramie, &c.	Raw	11,523

Class.	Title.	Name.	Number.
	Group 42.—Sewing.		
42.1	Awl or needle for hand stitching boots. (44.5)	Martin	P. 11,567
42.7	Welt slitting in sewing machines. (44.5)	Winkley	P. 11,558
	Group 43.—Wearing Apparel.		
43.1	Dress cutting charts	Andrew	P. 11,502
43.3	Garment adjuster	Gwynne	P. 11,445
43.7	Holder for sheet metal razor blade while sharpening. (76.1) ...	Eckersley	11,500
43.7	Ladies' hair drier	Bones	P. 11,520
43.7	Curling irons. (04.3; 06.7)	Richards	11,528
43.7	Perfumed fan. (44.8)	Ridoutt	P. 11,592
43.8	Ventilating hats, &c.	Pullen	11,590
	Group 44.—Boots and Shoes; Umbrellas.		
44.1	Boots and shoes	Dew	9357
44.1	Boots, &c., from skins. (47.2)	Hobby	9460
44.1	Boot and shoe uppers	King	P. 11,542
44.1	Boot, &c., fastener	Dugins	P. 11,602
44.1	Boot or shoe	Aland	P. 11,610
44.3	Spiral spring heeled insole	Clayton	P. 11,407
44.3	Attachable resilient heels	Haslam	P. 11,583
44.5	Sole pressing machines	Mayo	9427
44.5	Sole levelling machines	Eppler	9524
44.5	Welt preparing machines	Eppler	9525
44.5	Welt slitting in sewing machines. (42.7)	Winkley	P. 11,558
44.5	Awl or needle for hand stitching boots. (42.1)	Martin	P. 11,567
44.8	Perfumed fan. (43.7)	Ridoutt	P. 11,592
	Group 45.—Furniture.		
45.1	Strengthening chairs	McKeon	P. 11,576
45.2	Folding cot. (87.3) (Section 85, *see* 10,040/07)	Binney	11,532
45.5	Soap holder	Travis	11,554
	Group 47.—Leather and Plastics.		
47.2	Boots, &c., from skins. (44.1)	Hobby	9460
47.2	Tanning hides. (17.5; 28.0)	Nance	11,556
47.3	Sheets, &c., from waste leather	Thurlow	P. 11,435
47.7	Uninflammable kinematograph film. (48.3; 53.4)	de Briailles	11,440
	Group 48.—Paper; Bookbinding.		
48.3	Uninflammable kinematograph film. (47.7; 53.4)	de Briailles	11,440
48.8	Document files or binders	Robinson	11,485
48.8	Case and back for cart note books	Bray	11,508
48.8	Clamp or binder for counter check books	Sands	P. 10,533
48.9	Time-table sight index book	Powell	10,437
	Group 49.—Clerical; Scholastic; Artistic.		
49.1	Pens	Walkerden	P. 11,603
	Group 50.—Typographic Printing.		
50.0	Type impressing machines. (50.4; 62.2; 70.6)	Blume	11,425
50.1	Washing and cleaning rollers of printing and lithographing machines	Laver	P. 11,588
50.2	Casts and moulds. (53.9)	Hart	P. 11,423
50.3	Assembling and distributing type. (Section 121)	Osborn	11,516
50.4	Type impressing machines. (50.0; 62.2; 70.6)	Blume	11,425

Class	Title.	Name.	Number.
	Group 51.—Lithography, &c.		
51.6	Reproduction of images on glass, &c. (19.4; 52.8)	Anthes	11,410
	Group 52.—Photography.		
52.8	Reproduction of images on glass, &c. (19.4; 51.6)	Anthes	11,410
52.8	Photographic picture post cards, &c., in colours	Lennard	P. 11,417
	Group 53.—Amusements.		
53.3	Starting barrier for racecourses	Evans	P. 11,467
53.3	Totalizator. (56.2)	Stott	11,575
53.4	Uninflammable kinematograph film. (47.7; 48.3)	de Briailles	11,440
53.4	Electrical advertising. (54.1)	Robson	P. 11,470
53.6	Billiard table cushion rails	Matthews	P. 11,537
53.6	Cushion for billiards, &c.	Gray	P. 11,593
53.9	Vacuum adjusters	Darlow	P. 11,419
53.9	Casts and moulds. (50.2)	Hart	P. 11,423
53.9	Top	Miznhara	P. 11,431
	Group 54.—Commerce.		
54.1	Electrical advertising. (53.4)	Robson	P. 11,470
54.3	Stamp, &c., affixing machine. (56.2)	Hadida	P. 11,469
54.7	Tumbler washing machine. (25.5)	Lawrence	9429
	Group 56.—Counting, Measuring, Weighing.		
56.2	Stamp, &c., affixing machine. (54.3)	Hadida	P. 11,469
56.2	Totalizator. (53.3)	Stott	11,575
56.2	Voting machines	Barker	P. 11,577
56.5	Estimating moisture in wool. (37.6; 57.3)	Searle	9358
56.5	Cheeses and markers. (36.9)	Williams	P. 11,415
56.6	Locomotion recorder for road vehicles. (00.1)	Baumgaertner	P. 11,455
	Group 57.—Packing, Compressing, Bottling.		
57.3	Estimating moisture in wool. (37.6; 56.5)	Searle	9358
57.5	Hermetically sealing jars, &c.	Gittins	9442
57.5	Screw down cap for bottles, &c.	McEwen	P. 11,509
57.6	Non-refillable bottle	Kennedy	P. 11,443
57.8	Portable cooking outfit. (24.5)	Meyers	P. 11,420
57.8	Portable cooking outfits. (24.5)	Meyers	P. 11,507
	Group 58.—Chains, Ropes, Wire.		
58.1	Shackle coupling for ropes. (58.7)	Trewhella	P. 11,434
58.4	Frame for stoves, &c. (24.2)	Bannister	9559
58.5	Wire netting	Braybrooke	11,525
58.5	Rabbit trapping wire netting. (38.6)	Alkemade	P. 11,616
58.7	Shackle coupling for ropes. (58.1)	Trewhella	P. 11,434
58.7	Boat launching and stowing. (59.2; 91.4)	Martin	11,570
	Group 59.—Conveying and Lifting.		
59.2	Safety brake for mine cages, &c.	Hansen	P. 11,433
59.2	Boat launching and stowing. (58.7; 91.4)	Martin	11,570
59.4	Cable carrier apparatus	Amsden	11,559
59.5	Handling bulk. (65.1; 91.8)	Clarke	11,428
59.8	Pneumatic tube systems	Pearsall	11,560

Class.	Title.	Name.	Number.
	Group 60.—Mechanism; Lubrication.		
60.2	Gold saver. (11.4; 60.8)	Butters	9500
60.2	Change speed gearing. (95.9)	Green	P. 11,501
60.3	Windmill mechanism. (90.7)	Carra	11,584
60.3	Marine and other steam engines. (92.2)	Caught	P. 11,608
60.7	Windmills. (90.7)	Noyes	11,555
60.8	Gold saver. (11.4; 60.2)	Butters	9500
60.9	Cleansing liquid for rifle barrels. (89.3)	Spinks	9630
60.9	Swivel bearings for shaftings	Gellert	P. 11,471
60.9	Connecting rod and lubrication of crank pins, &c.	Evans	P. 11,472
	Group 61.—Governors.		
61.5	Nail machine. (78.1)	Davies	10,867
61.5	Excessive speed preventer	Holmes	P. 11,562
61.9	Putting windmill out of action. (90.7)	Forrester	P. 11,600
	Group 62.—Power Storage.		
62.2	Type impressing machines. (50.0; 50.4; 70.6)	Blume	11,425
62.8	Preventing damage in grinders, &c. (10.0)	Schönberg	11,515
	Group 63.—Steam Power.		
63.1	Utilizing solar heat. (08.1)	Bradley	11,511
63.7	Safety valve for steam boilers	O'Sullivan	P. 11,544
63.8	Condensing steam, &c.	Quiggin	11,409
	Group 64.—Cranked Engines.		
64.5	Steam engine, &c., valves. (66.7)	Bland	P. 11,405
	Group 65.—Reciprocating Motors.		
65.1	Handling bulk. (59.5; 91.8)	Clarke	11,428
65.4	Milking machine pulsators. (36.1)	Kerr	P. 11,587
65.6	Horizontal pump and engine. (68.6)	Hamden	P. 11,458
65.9	Rock drill feeding mechanism. (85.4; 85.9)	Waugh	11,564
	Group 66.—Gas and Oil Engines.		
66.5	Cooler for motor engine cylinders	Halliday	P. 11,421
66.7	Steam engine, &c., valves. (64.5)	Bland	P. 11,405
	Group 67.—Turbines; Rotary Motors.		
67.4	Water wheel or motor	Day	P. 11,400
67.7	Rotary pump. (68.7)	Luttrell	11,569
	Group 68.—Pumps for Liquids.		
68.3	Cream pump. (36.2)	Hartmann	P. 11,514
68.6	Horizontal engine and pump. (65.6)	Hamden	P. 11,458
68.7	Centrifugal pump. (84.8)	Hauff	11,426
68.7	Rotary pump. (67.7)	Luttrell	11,569
68.9	Rabbit burrow fumigator. (38.9)	Coghill	11,436
	Group 70.—Casting and Stamping.		
70.2	Casting dental inlays, &c. (87.7)	Magnus	11,411
70.2	Casting sash weights	Henderson	P. 11,551
70.2	Dental cast and swage machine. (87.7)	Forsyth	11,606
70.2	Casting dental work. (87.7)	Magnus	P. 11,607
70.6	Type impressing machines. (50.0; 50.4; 62.2)	Blume	11,425

Class.	Title.	Name.	Number.
	Group 71.—Forging, Rolling, &c.		
71.2	Drop hammers for forging, &c.	Sangster	P. 11,422
71.6	Portable sectional silo. (32.7)	Russell	9552
	Group 73.—Sheet Metal Work.		
73.1	Copperizing iron. (15.4)	Clark	P. 11,534
	Group 74.—Pipes and Fittings.		
74.4	Timber pipe. (83.5)	Kinnear	P. 11,460
74.5	High pressure pipes and connexions. (19.1.) (Section 121) ...	Clark	11,448
74.6	Chain pipe wrench	Dyne	P. 11,548
74.8	Ball cock	Walker	11,578
	Group 75.—Abrading and Polishing.		
75.1	Shine for jewellery	Fleming	P. 11,398
75.3	Sharpening rotary knives of meat slicers. (76.8)	van Berkel	11,605
75.8	Cleaning ships' bottoms without docking	Gargett	P. 11,294
	Group 76.—Cutlery; Plate.		
76.1	Holder for sheet metal razor blades while sharpening. (43.7) ...	Eckersley	11,500
76.5	Stirrer, mixer and scraper. (24.7)	Duncan	P. 11,486
76.8	Sharpening rotary knives of meat slicers. (75.3)	van Berkel	11,605
	Group 77.—Locks, Bolts, Safes, &c.		
77.1	Box striking plate for rebated door locks	Harris	P. 11,463
77.1	Window sash holder and fastener. (78.7)	Marshall	P. 11,490
77.1	Gate latch. (81.9)	Dixon	11,550
77.1	Graduated sash fastener. (78.7)	Booth	11,579
77.1	Window catch. (78.7)	Bartlett	P. 11,609
	Group 78.—Structural Hardware.		
78.1	Soft metal headed nail	McLaren	P. 11,613
78.1	Nails with extended heads. (61.5)	Davies	10,867
78.2	Hat, coat and umbrella holder	Harris	P. 11,496
78.6	Ball roller	Bassett	P. 11,561
78.7	Anti-rattler for windows, &c.	Brown	P 11,432
78.7	Window sash holder and fastener. (77.1)	Marshall	P. 11,490
78.7	Graduated sash fastener. (77.1)	Booth	11,579
78.7	Window catch. (77.1)	Bartlett	P. 11,609
78.8	Door stop	Frewin	P. 11,464
	Group 79.—Paints, Adhesives, &c.		
79.3	Paint mixing machine. (10.8)	Hemingway	9399
	Group 80.—Carpentry.		
80.1	Composition for preserving timber	Trewick	P. 11,416
80.1	Forest felling apparatus. (80.5)	Lang	P. 11,573
80.3	Picture frame, &c., cramp. (80.7)	McDonald	P. 11,459
80.3	Floor and ceiling cramp	Bartlett	P. 11,601
80.5	Forest felling apparatus. (80.1)	Lang	P. 11,573
80.7	Picture frame, &c., cramp. (80.3)	McDonald	P. 11,459

Class.	Title.	Name.	Number.
	Group 81.—Buildings, Streets, Fencing.		
81.1	Constructing reinforced concrete walls	Rigney	11,427
81.1	Floorings. (88.4) (Section 121)	Burchartz	11,489
81.1	Building construction	Marks	P. 11,512
81.2	System for reinforced concrete work	Alkemade	P. 11,439
81.2	Ferro-concrete and fireproof construction	Yourelle	11,540
81.2	Ferro-concrete structures	Wilson	P. 11,598
81.3	Constructing walls	Priest	P. 11,529
81.4	Skylights	Bullot	11,418
81.5	Window sashes	Henry	P. 11,438
81.5	Door postern or wicket	Watson	P. 11,465
81.7	Bridges	Lancaster	P. 11,413
81.8	Posthole borer	Moller	P. 11,574
81.9	Gate latch. (77.1)	Dixon	11,550
	Group 83.—Waterworks.		
83.1	Water tanks	Tuson	P. 11,503
83.1	Down pipe attachment	Izod	P. 11,557
83.5	Timber pipe. (74.4)	Kinnear	P. 11,460
	Group 84.—Excavation and Dredging.		
84.3	Earth scoops	Holloway	11,487
84.6	Tumbler gear for dredge buckets	Brazenall	P. 11,447
84.8	Centrifugal pump. (68.7)	Hauff	11,426
	Group 85.—Mining.		
85.1	Rotary tunnelling machine. (85.5)	Sigafoos	11,566
85.2	Artesian well-boring machine	Scott	P. 11,543
85.2	Well-boring plant	Doughty	11,549
85.2	Bifurcated rimer for artesian bores. (85.8)	O'Callaghan	11,585
85.4	Rock drill feeding mechanism. (65.9; 85.9)	Waugh	11,564
85.5	Rotary tunnelling machine. (85.1)	Sigafoos	11,566
85.8	Rock drill chucks	Warren	11,461
85.8	Bifurcated rimer for artesian bores. (85.2)	O'Callaghan	11,585
85.9	Ventilating mines, ships, &c.	Trezise	P. 11,484
85.9	Rock drill feeding mechanism. (65.9; 85.4)	Waugh	11,564
	Group 86.—Sanitation.		
86.4	Air inlet for house drains	Knox	11,462
86.5	Spring tip carts. (93.1)	Olding	10,553
86.7	Plant for treating nightsoil with quick lime. (09.9)	Fryklind	11,521
	Group 87.—Medicine.		
87.3	Invalid exerciser and health restorer	Walker	10,016
87.3	Folding cot. (45.2) (Section 85, *see* 10,040/07)	Binney	11,532
87.4	Lamb tailing and searing. (37.1)	Elmes	9,430
87.4	Gag for dentistry, &c. (87.7)	McIntosh	10,276
87.7	Gag for dentistry, &c. (87.4)	McIntosh	10,276
87.7	Casting dental inlays, &c. (70.2)	Magnus	11,411
87.7	Dental cast and swage machine. (70.2)	Forsyth	11,606
87.7	Casting dental work. (70.2)	Magnus	P. 11,607
87.8	Anti-rheumatic galvanic plate	Passmore	9475
87.8	Attachment for footwear to absorb electricity from the earth ...	Pike	P. 11,513

Class	Title.	Name.	Number.
	Group 88.—Salvage, Accidents.		
88.2	Ship ventilators, &c. (88.7 ; 91.2)	Blackwell	11,406
88.2	Sprinkler giving alarm to a distant station. (99.7)	Kirkby	P. 11,477
88.2	Thermostatic alarms. (00.7)	Kirkby	P. 11,597
88.4	Floorings. (81.1.) (Section 121)	Burchartz	11,489
88.7	Ship ventilators, &c. (88.2 ; 91.2)	Blackwell	11,406
	Group 89.—War.		
89.3	Cleansing liquid for rifle barrels. (60.9)	Spinks	9630
89.5	Apparatus to teach the use of rifle	Forward	9212
89.5	Rifle sights	Piesse	P. 11,599
	Group 90.—Wind and Flying Machines.		
90.1	Aerial warship	Perkins	P. 11,401
90.3	Air ship	Schwartz	P. 11,474
90.7	Windmill regulator	Prentice	9944
90.7	Windmills. (60.7)	Noyes	11,555
90.7	Windmills	Guthrie	P. 11,580
90.7	Windmill mechanism. (60.3)	Carra	11,584
90.7	Putting windmills out of action. (61.9)	Forrester	P. 11,600
	Group 91.—Ship Building.		
91.2	Ship construction	Bland	P. 11,404
91.2	Ship ventilators, &c. (88.2 ; 88.7)	Blackwell	11,406
91.4	Boat launching and stowing. (58.7 ; 59.2)	Martin	11,570
91.8	Handling bulk. (59.5 ; 65.1)	Clarke	11,428
	Group 92.—Marine Propulsion.		
92.2	Marine and other steam engines. (60.3)	Caught	P. 11,608
92.6	Screw propellers	Ellis	9078
	Group 93.—Road Vehicles.		
93.1	Spring tip-carts. (86.5)	Olding	10,553
93.1	Parcel carrier, &c., for go-carts, &c.	Monteith	P. 11,466
93.3	Wheel lock	Laughlin	P. 11,408
93.3	Road vehicle axle fittings	Nable	P. 11,504
93.3	Turning and braking road vehicles	Caldwell	P. 11,538
93.4	Wheels. (97.81)	Killen	11,424
93.5	Endless sectional railway	Sherwood	9501
93.7	Swingletree	Murnane	P. 11,506
93.9	Tread for road vehicle steps	Dawson	P. 11,403
	Group 94.—Cycles.		
94.1	Cycle spring frame and forks	Denham	P. 11,402
94.3	Bicycle saddle covers. (94.9 ; 97.80)	Hazard	P. 11,541
94.7	Bicycle brake and contrivance instead of free wheel	Walsh	P. 11,611
94.9	Bicycle saddle covers. (94.3 ; 97.80)	Hazard	P. 11,541
	Group 95.—Locomobiles.		
95.7	Driving and steering motor vehicles. (95.9)	Caldwell	9493
95.7	Turning, braking, &c., motor vehicles. (95.9)...	Caldwell	P. 11,539
95.9	Driving and steering motor vehicles. (95.7)	Caldwell	9493
95.9	Change speed gearing. (60.2)	Green	P. 11,501
95.9	Turning, braking, &c., motor vehicles. (95.7)	Caldwell	P. 11,539

Class	Title.	Name.	Number.
	Group 96.—Rolling Stock.		
96.2	Detecting escape of air in air brakes. (96.6; 99.2)	Higgins	P. 11,595
96.3	Railway vehicle wheels	Phillips	P. 11,430
96.3	Railway car coupling	Berglund	11,475
96.6	Signal brake. (98.2)	Silverstone	P. 11,594
96.6	Detecting escape of air in air brakes. (96.2; 99.2)	Higgins	P. 11,595
	Group 97.—Wheels.		
97.6	Elastic steel tyre for vehicle wheels	de Zakovenko	11,476
97.6	Flexible vehicle tyres. (97.81)	Stichelen	11,478
97.80	Bicycle saddle covers. (94.3; 94.9)	Hazard	P. 11,541
97.81	Wheels. (93.4)	Killen	11,424
97.81	Flexible vehicle tyres. (97.6)	Stichelen	11,478
97.83	Detachable rim for motor car wheels...	Bolger	P. 11,581
97.85	Pump connexion	Erickson	P. 11,429
	Group 98.—Permanent Way.		
98.1	Railways. (98.4)	Coplestone	11,481
98.2	Stopping trains	Gale	P. 11,397
98.2	Audible railway signal	Capper	P. 11,442
98.2	Preventing collisions between trains. (99.1)	Angus	P. 11,446
98.2	Electro mechanical safeguard for trains	Jeffree	P. 11,453
98.2	Railway switch and signal. (99.1)	Russell	P. 11,492
98.2	Automatically braking and stopping trains	Page	P. 11,527
98.2	Switch for tramways and railways	Van Dieren	11,589
98.2	Signal brake. (96.6)	Silverstone	P. 11,594
98.2	Rolling stock operated audible signals	Angus	P. 11,612
98.4	Railway dog spike and wedge	Watts	P. 11,414
98.4	Railways. (98.1)	Coplestone	11,481
	Group 99.—Signalling.		
99.1	Preventing collisions between trains. (98.2)	Angus	P. 11,446
99.1	Safety signalling	Turner	11,454
99.1	Railway switch and signal. (98.2)	Russell	P. 11,492
99.1	Compensator for length in signal wires, &c.	Smith	P. 11,518
99.1	Signal operated sound alarm. (99.6)	Watts	P. 11,553
99.2	Detecting escape of air in air brakes. (96.2; 96.6)	Higgins	P. 11,595
99.6	Signal operated sound alarm. (99.1)	Watts	P. 11,553
99.7	Sprinkler giving alarm to a distant station. (88.2)	Kirkby	P. 11,477
99.7	Electro-mechanism for street fire alarms	Manning-Hill	P. 11,482
99.8	Electric bell signalling in mines. (04.4)	Grayson	9491
99.8	Mine signalling system	Plumb	P. 11,572

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I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

III. The *Monthly Indexes* to Commonwealth Applications, for names and subject matter, are issued in the same cover as the weekly portion. As these indexes are for temporary use, and will be consolidated in the Annual Index volume issued early in the following year, they need not be bound in the *even* numbered volume. If it is desired to preserve them, they are continuously paged, and may be bound separately.

IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

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As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

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	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0

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Vol. 8.] 1908. [No. 23.

Tuesday, 23rd June.

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THE Australian Official Journal of Patents.



Notices.

Applications Received, 11,691 to 11,750.

Commonwealth Proceedings.

States Proceedings.

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C.7206.

DEPARTMENT OF PATENTS.

Price List of Publications.

The following publications are on sale at the Government Printing Office, Melbourne:

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Weekly numbers (yellow cover)		6d.
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NOTICE IS HEREBY GIVEN that DOUGLAS MACKINNON BAILLIE HAMILTON COCHRANE (Right Honorable Earl Dundonald), the grantee of Australian Patent No. 6389, dated 11th July, 1906, for

"An improvement in tea and coffee pots,"

is prepared to satisfy any demands and all requirements of the public respecting said invention.

Further information and particulars obtainable from—

EDWARD WATERS AND SONS, Patent Attorneys, 414-418 Collins Street, Melbourne.

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The security and value of a Patent depends on the manner in which the **SPECIFICATIONS, CLAIMS,** and **DRAWINGS** have been prepared. Many Patents for valuable inventions have been declared null and void owing to the claims and specifications having been prepared by persons without the necessary experience and legal knowledge. Some Inventors imagine they can save money by preparing their own Specifications, etc. This is false economy, as an invention may be a most valuable asset if properly protected; but if the Patent is bad, the inventor loses everything. Inventors should place their work in the hands of **GRIFFITH & ALLEN,** a long established and experienced firm of **Patent Attorneys and Consulting Engineers,**

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VOL. 8.] 23RD JUNE, 1908. [NO. 23.

All communications to be addressed to the Commissioner, Department of Patents, Melbourne, Australia.

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NOTICES.

Qualifying Examination for Patent Attorneys.

It is hereby notified that the July Examination of Candidates for registration as Patent Attorneys will be held on 30th and 31st July, 1908, the Time Table for the Examination being as follows:—

Day.	Hour.	Subject.
Thursday, 30th July, 1908	10 a.m.	Patent and Trade Marks Law of the Commonwealth, and the Practice of the Patent Office.
	2 p.m.	The preparation of a Provisional and Complete Specification to be attached to an Application for any kind of invention named by the Board.
Friday, 31st July, 1908 ...	10 a.m.	Patent and Trade Marks Case Law. (Inclusive of the decisions of the High Court of Australia.)
	2 p.m.	The Patent and Trade Marks Law and Practice of England and other countries.

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

C.7206.

Notices—*continued.*

Examination for Patent Attorneys.

It is hereby notified, for public information, that an Examination of Candidates for registration as Patent Attorneys will be held at the Patent Office, Melbourne, on the 30th and 31st July, 1908.

The attention of Candidates intending to present themselves for examination is directed to Regulation No. 152 under the *Patents Act* 1903, which provides that—

> Every Candidate for admission to practise as a Patent Attorney shall, at least 30 days before the date appointed for holding any examination, lodge with the Secretary an application in Form FF, a declaration in Form GG, and a certificate in Form HH, in the Second Schedule, and pay the examination fee.

The fee for examination is £2, and applications must reach the Secretary on or before 30th June, 1908.

The following books of reference have been prescribed by the Board:—

Edmunds on Patents (2nd edition).
Sebastian's Law of Trade Marks (4th edition).
Kerly on Trade Marks (2nd edition).
Patents Trade Marks and Designs, by David Fulton (2nd edition).

CHARLES GIBSON,
Secretary,
Patent Attorneys Examination Board.

Patent Office,
Melbourne, 11/6/08.

COMMONWEALTH.

PROCEEDINGS UNDER THE "PATENTS ACT 1903."

List of Applications for Letters Patent received from 11th to 17th June, 1908.

Unless otherwise indicated, the applicants are all declared to be actual inventors.

The abbreviations "Prov." and "Comp." after the numbers indicate respectively that a Provisional or Complete Specification was lodged with the Application. "Act. inv." indicates a declared actual inventor.

If in any case the Title of the Application, the Name of the Applicant, or the Date of the Application should differ in the accepted documents from that given in the following List of Applications, the alteration will be shown in the advertisement of the acceptance of the Specification.

Corrigendum.—In No. 22, page 390, Application No. 11,663, *for* Prov. *read* Comp.

Thursday, 11th June.

11,691. *Prov.* George William POWELL, Bracefield, S.A., farmer,

"A new or improved fertiliser."

11,692. *Comp.* Reginald Frederick BARKER, Australian Club Hotel, Broken Hill, N.S.W., civil engineer,

"An improved process for the recovery of the fats from the effluent of wool scouring establishments."

11,693. *Prov.* Jorgen PEDERSEN, 537 Flinders-street, Melbourne, Vic., merchant,

"An improved combined churn, butter worker and automatic self deliverer with chain driving gear and butter trolly attachment."

11,694. *Prov.* Wilhelm Bartholdt Didrick PONNINGHAUS, 30 Portland-place, South Yarra, Vic., machinery importer,

"An improved appliance for feeding boilers."

Applications received, 11th to 17th June—*continued.*

11,695. *Prov.* Charles Francis Bollinger, 201 Park-street, South Melbourne, Vic., printer,

"An improved compound for filling and stopping punctures in air inflated rubber tubes, tyres and the like."

11,696. *Comp.* Henri Oudinot, Duc de Reggio, and Charles Putois, engineer, both of No. 2 Boulevard Beaumarchais, Paris, France,

"Hydropneumatic wheel."

11,697. *Comp.* The Hon. Charles Algernon Parsons, *C.B.*, George Gerald Stoney, and Ebenezer Bennett, all of Heaton Works, Newcastle-on-Tyne, Northumberland, Eng., engineers,

"Improvements in reflectors for search lights and the like."

11,698. *Comp.* Fredrik Wattne, Stinelundsgade 4, Stavanger, Norway, consul (*assignee of* Iver Rödder, *act. inv.*, Nedre Banegade 22, Stavanger, Norway, engineer),

"Improvements in can openers."

11,699. *Comp.* Thomas Dobbin, Bourbong-street, Bundaberg, Qld., cycle manufacturer,

"An improved bicycle coaster and brake."

11,700. *Comp.* William Thomas Hitchen, Gular, N.S.W., hairdresser,

"An improved apparatus for producing poisonous gas for fuming rabbit burrows."

11,701. *Prov.* William Job Howcroft, Granville-street, West End, Brisbane, Qld., pattern maker,

"A new appliance for checking the propeller on ships."

11,702. *Prov.* William Job Howcroft, Granville-street, West End, Brisbane, Qld., pattern maker,

"A new apparatus for regulating hot and cold air."

Friday, 12th June.

11,703. *Comp.* Richard Noble, 28 Gloverstreet, South Melbourne, Vic., engineer,

"Improvements in and connected with concentrating tables for treating milled or crushed ores for the recovery of minerals therefrom."

11,704. *Comp.* Jean Charles Scipion Rousselot, 4 Rue Laferriere, Paris, France, proprietor,

"Improvements in stage-noise cabinets."

11,705. *Comp.* Wilhelm Witter, Hamburg, Germany, metallurgist,

Application under Sec. 121.

[Date applied for 2nd July, 1907, being date of application in Germany.]

"Improved process of recovering zinc from blast furnace slags."

11,706. *Prov.* Thomas King, High-street, Swan Hill, Vic., bricklayer, and Richard Hamilton, 85 Canterbury-road, Middle Park, Vic., builder,

"Continuous dish for fruit trees and the like for holding chemical liquids for the destruction of aphis or other pests."

11,707. *Comp.* Ludwig Hupfeld Aktien Gesellschaft, 4 Apelstrasse, Leipzig, Germany, pianoforte-makers (*assignee of* Robert Frömsdorf, *act. inv.*, 1 Kunadstrasse, Leipzig-Eutritzsch, Germany),

"Improvements in mechanical musical instruments."

11,708. *Prov.* Charles Grant Merkley, 227 Harris-street, Pyrmont, Sydney, N.S.W., engineer (*assignee of* Phillip Price, *act. inv.*, Gladstone-street, Burwood, N.S.W.),

"Improvements in wire nail making machines."

11,709. *Prov.* James William Page, "Ormesby," Penrith, orchardist,

"Page's carbolic cleaning soap."

11,710. *Comp.* Georg Christian Stoltz, 2 Bridge-street, Sydney, N.S.W., merchant (*communicatee of* Verein Chemischer Fabriken in Mannheim, Mannheim, Baden, Germany, chemical manufacturer, *assignee*),

"Improved process for the manufacture of sulphuric anhydride or sulphuric acid and of pure sulphurous acid from impure gases containing the same (sulphurous acid)."

11,711. *Prov.* Charles McLachlan Graham, *act. inv.*, 16 Isabella-street, Malvern, Vic., civil servant, and Peter Taylor Law, *assignee*, 66 Elizabeth-street, Melbourne, Vic., importer,

"An improved insulator."

Applications received, 11th to 17th June—*continued.*

11,712. *Prov.* George Henry JAMIESON, Carlisle-street, South Preston, Vic., labourer,

"An improved polishing powder or liquid."

11,713. *Comp.* George Charles SMART, Martin-street, Wellington, N.Z., contractor,

"Improvements in friction hoists."

11,714. *Comp.* Hugh Victor MCKAY, Sunshine, Vic., machinery merchant (*assignee of* James Barnicott GARDE, *act. inv.*, 159 Sydney-road, Royal Park, Vic., agricultural implement maker),

"An improvement in stump jump rotary disc cultivators."

11,715. *Prov.* Hugh Victor MCKAY, Sunshine, Vic., machinery merchant,

"Improvements in plows and land cultivating implements."

11,716. *Prov.* Michael John FORREST, Cororooke, near Colac, Vic., dairyman,

"An improved appliance for securing cows' tails whilst being milked."

Saturday, 13th June.

11,717. *Prov.* Edwin Randolph MAGNUS, 185 Macquarie-street, Sydney, N.S.W., doctor of dental surgery,

"Improvements in means for casting dental inlays and similar fine metal work."

11,718. *Prov.* Arthur HOCKING, baker, and George LYELL, dairy implement maker, both of Gisborne, Vic.,

"An improved method of preparing dough for bread making."

11,719. *Prov.* Joseph O'CONNELL, William-street, Melbourne, Vic., engineer,

"Improvements in teat cups of milking machines and operating appliances to be used in connection therewith."

Monday, 15th June.

11,720. *Prov.* C. D. R. GOODMAN, *act. inv.*, saddler, and S. POWER, storekeeper, both of Kybunga, S.A.,

"A patent concern to work on heavy draught horses without collar or hames."

11,721. *Prov.* Harold Dalton HALL, "Kalgurli," King William-road, Hyde Park, Adelaide, S.A., electric wireman,

"Hall's patent tobacco cutting pouch."

11,722. *Prov.* Robert RENDLE, "Denholm," Main-street, Kangaroo Point, Brisbane, Qld., civil servant,

"An improved appliance for loading, unloading and conveying goods from place to place."

11,723. *Prov.* William Griffith WILLIAMS, Kliprinersberg Estate, near Johannesburg, Transvaal, S. Af., contractor,

"Improvements in extracting metals from their ores."

11,724. *Prov.* George Hugh FOSTER, *act. inv.*, and George BAILEY, *assignee*, both of 29 Bathurst-street, Sydney, N.S.W., manufacturers,

"Improvements in means for securing frames and the like in building structures."

11,725. *Prov.* James Goddard LAMB, merchant, and Thomas Henry WHITE, commercial traveller, both of 220 Clarence-street, Sydney, N.S.W.,

"Improved apparatus for displaying and storing curtains and other articles."

11,726. *Prov.* Roland Meredith COOPER, "Fruit Exchange," Turbot-street, Brisbane, Qld., commission agent,

"A corn husker."

11,727. *Comp.* RECKITT & SONS LIMITED, Hull, Yorkshire, Eng., manufacturer (*assignee of* Thomas Robinson FERENS, *act. inv.*, Wilton House, Hull, Yorkshire, Eng.),

"Improvements relating to sprinklers for liquids."

11,728. *Comp.* Paul KERSTEN, Bayreutherstrasse 10, Dresden, Saxony, Germany, police officer,

"Improvements in receptacles for soap and other toilet articles."

11,729. *Prov.* William Adolphus SMYRK, Westbury Lodge, Westbury-road, New Malden, Surrey, Eng., builder,

Application under Sec. 85, additional to 8172/07.

"Improvements in scaffolding."

11,730. *Prov.* John Wilson FELL, 119 George-street, Sydney, N.S.W., oil refiner,

"An improved gland for the propeller shafts of steam vessels."

11,731. *Comp.* Alfred Hedley COTTON, Rawene, Hokianga, Auckland, N.Z., farmer,

"A toy."

Applications received, 11th to 17th June—*continued.*

11,732. *Prov.* Ling Ah Mouy, 28 Mountain-street, South Melbourne, Vic., law clerk,

"Improved heel attachment for boots and shoes."

Tuesday, 16th June.

11,733. *Comp.* Montgomery Roger Aldwell, 8 Alma Chambers, Adelaide, S.A., agent,

"An improved device for heating rooms and the like."

11,734. *Prov.* John William Johnson, Glencairn, Pt. Nepean-road, Elsternwick, Vic., contractor,

"Billiard bagatelle and other table tops."

11,735. *Prov.* Ella Dunn, 114 Auburn-road, Auburn, Vic., lady,

"Dish cloth holder."

11,736. *Prov.* Joseph Herbert Muir and John Dinnison Muir, both of 2 Walton-street, East Brunswick, Vic., fitters,

"An improved reversible and musical whipping top."

11,737. *Comp.* William Shearer, "Ferniecot," 3 Abbey-road, Eskbank, Mid Lothian, Scot., engineer,

"Improvements in carburetters for vapourising hydro-carbons such as gasoline, petrol and the like."

11,738. *Prov.* Peter R. Robb, plumber, and George A. Birch, clerk, both of Dunedin, N.Z.,

"Improved pocket combined candle case and sconce."

11,739. *Comp.* Wilhelm Herbst, 14[1] Breitestr, Berlin-Steglitz, Germany, civil engineer,

"Improvements in reinforced concrete floors, roofs, ceilings and the like."

11,740. *Comp.* Heinrich Wilhelm Oberlies, 7a Kaiserstrasse, Berlin, Germany, merchant,

"A reinforced concrete pole or mast for supporting electric conductors or for other purposes."

11,741. *Comp.* Goodya Paulo, High-street, Shepparton, Vic., storekeeper,

Application under Sec. 85, additional to 10,208/07.

"Improvements in wheel-locks for vehicles."

11,742. *Comp.* Giacomo Carrara, 23 *Viâ* Giuseppe Parini, Milan, Italy, professor of electrochemistry,

"A process for the preparation of chloride of zinc and apparatus therefor."

Wednesday, 17th June.

11,743. *Prov.* William Francis Dugins, Peel-street, Kew, Vic., engineer,

"An improved propelling apparatus for boats."

11,744. *Prov.* Walter George Stoddart, 45 Malop-street, Geelong, Vic., surgeon dentist, and William Frederick Dann, 35 Ryrie-street, Geelong, Vic., merchant,

"Improved means for securing rubber treads of tyres of vehicle wheels."

11,745. *Prov.* Robert Tividale White, Rainbow, Vic., farm manager,

"An improved apparatus for use on a stump jump plough for regulating the draught while in motion."

11,746. *Prov.* Rees Rees, Kapunda, S.A., engineer,

"An improved machine for manufacturing hook carriers."

11,747. *Prov.* Rupert Richard Allen, "Rubra," Hotham-street, East Melbourne, Vic., clerk,

"Improvements in means for loading and unloading photographic sensitized plates in the daylight."

11,748. *Prov.* Edward Temple, "Kaikora," 11 Junction-street, Lavender Bay, North Sydney, N.S.W., engineer,

"Improvements in and relating to gas generating and purifying apparatus."

11,749. *Prov.* Louis Will and Carl Peter Will, both of Chinta, near Goode, S.A., farmers,

"Improvements in stump jump ploughs."

11,750. *Prov.* Alfred Grigg, 80 Packington-street, Kew, Vic., motor smith,

"Improved means for adjusting folding glass wind screens for motor cars."

Provisional Specifications Accepted.

Italics indicate that some amendment has been made.

1907.

10,495. Reilly, J. G.

A machine for embossing or printing postage stamps on letters, newspapers, circulars and the like and for keeping a record of the number stamped.

1908.

11,507. Meyers, E.
11,512. Marks, H. J.
11,513. Pike, W.
11,514. Hartmann, S.
11,518. Smith, D. C.
11,520. Bones, G. J.
11,527. Page, G.
11,529. Priest, S.
11,530. Priest, S.
11,534. Clark, W. G.
11,536. Jackson, J. D., & Clarke, W. H.
11,538. Caldwell, J. D.
11,539. Caldwell, J. D.
11,542. King, E. E.
11,546. Berry, H.
11,548. Dyne, W. H.
11,551. Henderson, E.
11,552. Hession, B.
11,553. Watts, W.
11,557. Izod, J. E.
11,558. Un. Shoe Mach. Co. (Winkley & McIsaac)
11,562. Holmes, N. J.
11,567. Martin, W. A.
11,572. Plumb, G. T.
11,577. Barker, F. A.
11,580. Guthrie, A.
11,582. Holloway, H. J. & W. H.
11,583. Haslam, W.
11,586. Wilson, J., & Timms, A.
11,587. Kerr, H. H.
11,588. Laver, A. F.
11,592. Ridoutt, Ruby E.
11,593. Gray, R.
11,595. Higgins, M.
11,596. Bartlett, T. V., & Houlden, R.
11,597. Kirkby, E. H.

Complete Specifications lodged after Provisional Specifications.

The date following the title is that on which the complete specification was lodged.

1907.

9515. John MELVIN, Margaret-street, Toowoomba, Qld., general agent,

"Improvements in signalling apparatus." 12th June, 1908.

9537. Mary Josephine BOURKE, 51 Boyce-street, Glebe Point, Sydney, N.S.W., home duties,

"Elevator for supporting spring wire mattresses." 16th June, 1908.

9766. William Henry CORNFORD, Tuerong, Three-chain-road,, Mornington, Vic., gentleman,

"A new military game or toy." 11th June, 1908."

9789. Harry COCKERILL, Central Hotel, Bega, N.S.W., hotelkeeper,

"Improved draught preventer for doors usable also as a door check." 15th June, 1908.

9814. John LAVERY, Waubra, Vic., farmer,

"Improvements in disc ploughs and cultivators." 17th June, 1908.

9991. John WILLCOCK, 82 Bowen-terrace, Brisbane, Qld., mechanical engineer,

"Improved furnace for burning refuse under steam boilers." 15th June, 1908.

9999. Donald Herman SMITH, Benningholm, Curlewis, N.S.W., farmer,

"An improved reversible multi-furrow disc plough." 12th June, 1908.

10,287. Guillermo KÜPFER, Santiago, Chili, S. America, manufacturer,

"Improved bearings for shafts and the like." 12th June, 1908.

1908.

10,780. Jacob HOELLE, 14 Norman-street, off Riley-street, Sydney, N.S.W., engineer,

"Improved steam washing machine." 16th June, 1908.

10,793. Ernest ROOS, Mutual Life of New York Building, Martin-place, Sydney, N.S.W., general agent (*assignee of* Emery BRULEY, *act. inv.*, Neillsville, Wis., U.S.A.),

"Improvements in fence posts." 15th June, 1908.

11,312. Amherst Talbot Robert WILDE, 313 Victoria-street, Abbotsford, Vic., cycle engineer,

"A metal lever or key for screwed sleeves bicycle bracket cups and the like." 11th June, 1908.

Applications (Provisional) Lapsed,

NO COMPLETE SPECIFICATION HAVING BEEN LODGED WITHIN THE PERIOD PRESCRIBED BY SEC. 38.

1907.

9419. Wannenmacher, M.
9420. Wannenmacher, M.
9422. Ellis, A. H.
9432. Chester, Sarah K. & S. K.
9433. Whyte, W.
9434. Goodsell, J. A., & Ferguson, A.
9437. Rose, S. A. M.
9439. MacGregor, A.
9443. Weinsberg, S. J.
9444. MacGregor, A.
9448. Searle, A. C.
9449. Madeley, O. T.
9450. Tyler, E. C.
9451. Martin, W. G.
9452. Bensley, H.
9455. Blackham, W. H.
9456. Ellis, J.
9457. Stevenson, Margaret
9458. Charles, H., & Todd, C. A. T.
9459. Pain, G.
9463. McNaughton, H.
9468. Mortimer, Mary A.
9472. Argles, A.
9474. Stuart, D.
9476. Clark, A. Z.
9478. Fisher, H. S.
9481. Giuseppe, F.

Assignments Registered.

1905.

3987. "A combined water heater for use in the place of the ordinary coppers at present in use and can be used for ordinary washing purposes for supplying hot water for plunge baths and with the coil inside for pasteurising milk and the like and supply hot water continuously."

Assignment of the whole *by* Wilhelm Bartholdt Didrick Ponninghaus *to*

Thomas Manson, John Alexander Manson, and John Manson Barr. Dated 30th Sept., 1907. Registered 10th June, 1908.

1906.

5256. "New or improved means for and method of displaying curtains and the like."

Assignment of the whole *by* James William Siddall *to*

Maurice J. Bebb. Dated 24th Jan., 1908. Registered 2nd June, 1908.

5810. "Improved spring safety catch."

Assignment of the whole *by* George Miller and Horace Crosby Walch *to*

George Miller, Horace Crosby Walch, and Philip Oakley Fysh. Dated 18th May, 1908. Registered 2nd June, 1908.

1907.

9145. "Improvements in oars for rowing boats."

Assignment of one-fourth share *by* George William Green *to*

John Kent, Arthur James Brierley, and Edward Henry Sully. Dated 9th July, 1907. Registered 2nd June, 1908.

Applications Abandoned, Withdrawn, &c.

1907.

7939. *Comp.* (*Lapsed*). Melville McNaught, 159 Queen-street, Brisbane, Qld., wool classer,

"A process for the extraction of fibre from hibiscus barks."

8134. *Comp.* (*Lapsed*). George Kyme, 759 Drummond-street, North Carlton, Vic., music teacher,

Application under Sec. 121.

[Date applied for 2nd Mar., 1906, being date of application in N.Z., No. 20,803/*06*.]

"Means for use in transposing music and for indicating the pitch of musical instruments."

8174. *Comp.* (*Abandoned.*) Bedlington Bodycomb, St. James' Buildings, corner Bourke and William streets, Melbourne, Vic., patent attorney (*communicatee of* Aktiebolaget Separator, 8 Flemminggatan, Stockholm, Sweden, *assignee of* Birger Ljungstrom, *act. inv.*),

"Improvements in and relating to centrifugal separators for liquids."

Applications Abandoned, Withdrawn, &c.—*continued.*

8202. *Comp.* (*Lapsed.*) John Bennett LITTLE, Bourke-street, Dubbo, N.S.W., school teacher.

"A knee-pad for the protection of the knees while scrubbing, made of leather, canvas or other material, fastened by straps."

8242. *Comp.* (*Lapsed.*) Archiebald MCLEOD, 21 Hobbs-strtet, Footscray, Vic., labourer,

"An apparatus for the determination of the amount of moisture in wool and like substances."

Application for Amendment.

Notice is hereby given that any person intending to oppose the undermentioned Application must leave, at the Patent Office, Melbourne, within one month from the date of this Journal, notice (on Form K) of objections thereto.

1908.

10,681. 20th Jan. (*See page 208/08.*) "Improvements in art of treating tobacco stems and other tobacco material for recovery of valuable constituents."

THE KENTUCKY TOBACCO PRODUCT CO. (*applicant*) seeks leave to amend the Complete Specification in connexion with the application lodged on the above date, as below, alleging as the reasons: "The original statement of the invention and claims is too broad in view of prior knowledge, and it is desired to limit the invention to the process and apparatus employing a series of tobacco-material chambers through which the steam passes successively, as defined by the amended claims herewith."

The references are to the certified copy lodged with the Application for Amendment on 26th May, 1908.

PROPOSED AMENDMENTS.

1. Page 1, last line, after the word "through" *insert* "a series of chambers containing."

2. Page 2, line 3, after the word "the" *insert* the word "final" and after the word "tobacco" *insert* the word "chamber."

3. Page 2, line 20, after the word "steam" *insert* the words "each of," and *add* the letter "s" to the word "Chamber."

4. Page 7, strike out lines 20 to 25.

5. Page 9, line 1, correct word "dryness" misspelt "dyrness."

6. Page 10, line 6, strike out word "through" and *insert* the words "successively through a series of chambers containing."

7. Page 10, line 10, strike out word "through" and *insert* the words "successively through a series of chambers containing."

8. Page 10, line 14, after the words "comprising a" *insert* the words "series of" and *add* the letter "s" to the word "chamber."

9. Page 10, line 16, after the word "therein" *insert* the word "successively."

10. Page 10, line 17, after the word "the" *insert* the word "final."

11. Page 10, line 20, after the words "comprising a" *insert* the words "series of."

12. Page 10, line 21, *add* the letter "s" to the word "chamber."

13. Page 10, line 22, after the word "therein" *insert* the word "successively."

14. Page 10, line 23, after the words "from the" *insert* the word "final."

15. Page 11, line 2, after the words "comprising a" *insert* the words "series of" and *add* the letter "s" to the word "chamber."

16. Page 11, line 4, *add* the letter "s" to the word "chamber."

17. Page 11, line 5, after the words "from the" *insert* the word "final."

18. Page 11, line 8, after the words "comprising a" *insert* the words "series of" and *add* the letter "s" to the word "chamber."

19. Page 11, line 11, *add* the letter "s" to the word "chamber."

20. Page 11, line 12, after the words "from the" *insert* the word "final."

21. Page 11, line 17, after the word "and" *insert* the words "a condensing and concentrating apparatus," and *strike out* the word "means."

COMPLETE SPECIFICATIONS ACCEPTED.

Notice is hereby given that all persons interested in opposing the grant of a Patent on any one of the following applications, may, at any time within three months from the date of this Journal, give notice at the Patent Office, in Form G, which must be accompanied by the fee of £2:—

1907.

8910. Grund, A. B.
8945. Manufacturers' Mach. Co. (Stewart)
9011. Osborn, J. K.
9018. Manufacturers' Mach. Co. (Seely)
9058. Stonz, H.
9276. Scammell, E. A.
9399. Hemingway, G.
9805. Sinclair, R.
9863. Blanc, E. E. P. M., & Caton, P. A.
9958. Waters, E. N. (Stilwell)
10,273. Petracchi, A.
10,379. The Seay Intern. Ice & Refrig. Co. (Seay)
10,460.*Christie, C.
10,518.*Fleming, P., & Gibson, K. M.

1908.

10,650. Rosenthal, M.
10,810.*Laigle, R.
10,813.*E. Clemens Horst Co. (Horst)
10,874. Shortman, E. H.
10,895. Delage, M. P. V.
10,980. Richert, P.
11,046. Hall, F. A. L.
11,071. Nichols, H. G.
11,077. Preston, J. R.
11,078. Auchu, H.
11,082. The Birmingham Small Arms Co. Ltd. (Driver & Norman)
11,110. York, L. D.
11,111. Hobson, F. J. (Officer)
11,115. Friend, G. H.
11,196. Walsh, P. A.
11,243. Reddan, D.

The subject-matter of these Specifications is classified in the following pages.

The full particulars of names, title, &c., will be found in serial order in previous Journals under the heading "Applications Received."

**In the following cases the particulars have been revised or varied, and are now printed in full:—*

8943. Joseph Richard WOODMAN, 731 Ann-street, Valley, Brisbane, Qld., engineer,

"An improved agitating attachment for sprayers."

10,460. Colin CHRISTIE, Lyceum Hall, Newcastle, N.S.W., teacher of shorthand and typewriting,

"Typewriter sight-shield, and copy shelf."

10,518. Peter FLEMING, *assignee*, 187 Albert-street, Brisbane, Qld., and Keith Maitland GIBSON, *act. inv.*, 159 Queen-street, Brisbane, Qld., mining engineer,

"An improved method for the manufacture of gas from oils or any like substance, to be drawn through water."

10,810. René LAIGLE, 18 rue de Mogador, Paris, France, engineer,

Application under Sec. 121.

[Date applied for 11th Oct., 1907, being date of application in France, No. 382,749/07.]

"Filaments for incandescent gas lamp mantles."

10,813. E. CLEMENS HORST COMPANY, 215-217 Pine-street, San Francisco, Cal., U.S.A., hop grower and packer (*assignee of* Emil Clemens HORST, *act. inv.*),

"Hop picker and separator."

Typed copies of specifications will be supplied at Sixpence per 100 words (minimum charge, One Shilling). Sun Prints of drawings will be supplied at One Shilling per foolscap folio sheet (8 inches x 13 inches).

Fees must be tendered in cash or postal note or in money order, payable to the Commissioner of Patents, Melbourne, to whom all communications must be addressed.

WEEKLY CLASSIFIED LIST OF ACCEPTED COMPLETE SPECIFICATIONS.

THESE LISTS WILL BE CONSOLIDATED ANNUALLY.

The System of Classification is described in Vol. 3, Part D, obtainable from the Government Printing Office, Melbourne, price One shilling, post free.

The "Numerical Subject Index," page 83, gives particulars of the scope of the classes (denoted by the numbers on the left), which should be read with the descriptive entry in each case.

The "Word Index," page 131 (about 5000 words), indicates the classes containing inventions relating to the subjects listed.

Group 10.—Crushing and Grinding.

10.3	Spherical runners, loaded and driven by heavy upper race-block, spiral vanes lift pulp to the screens; rotary creeper	York	11,110
10.3	Cellular lining for tube mills, filled with chert, &c., set in magnesite binder	Walsh	11,196
10.8	Paint mixer; oppositely rotating skeleton beaters with bevel gear. (79.3)	Hemingway	CaP 9399
10.8	Helical pug-mill squirter for rope gelatine explosives; safety friction driving; cooled packing worm. (60.2; 62.7; 89.8)	Auchu	11,078

Group 11.—Mech. and Elec. Separation.

11.3	Shaking screens of stretched wires for grading hops. (32.3; 32.6) ...	Horst	10,813

Group 14.—Leaching Metallurgy.

14.7	Conical settling vats in series; sands or slimes lifted by submerged conveyor belt to next vat; plant diagram	Nichols	11,071

Group 15.—Metallurgy in Furnaces.

15.6	In zinc condensers, intercepting lead by a tubular receiver or filter, filled with anthracite. (16.2)	Shortman	10,874

Group 16.—Furnaces.

16.2	Fire-clay lead filter or receptacle filled with anthracite, placed between zinc retorts and the condenser. (15.6)	Shortman	10,874

Group 19.—Glass and Ceramics.

19.4	Porcelainized filaments for incandescent lamps. (23.5) (Section 121.)	Laigle	10,810

Group 21.—Gas for Light and Heat.

21.1	Continuous revivification of purifying oxides by carbureting; plant diagram. (21.4; 21.5)	Blanc	9863
21.4	Carbureting air and poor coal gas with tar vapours, benzole, &c.; plant diagram. (21.1; 21.5)	Blanc	9863
21.4	Diagram of suction air carbureting plant; air bubbled through oil on water. (66.5)	Fleming	C.a.P. 10,518
21.4	Carbureting plant; spiral passage lined with arched folded fabric; mixing ratio adjusted by float valves. (23.7; 74.8)	Officer	11,111
21.5	Continuous revivification of purifying oxides by carbureting; plant diagram. (21.1; 21.4)	Blanc	9863

Complete Specifications Accepted—*continued.*

Group 23.—Bunsen and Incand. Burners.

23.5	Overhead heat-reflector and radiator, heated by downward bunsen flame; asbestos upper plate. (24.2) (Section 121.)	Rosenthal	10,650
23.5	Mantle filaments of thoria, glucina, &c., agglutinated by silicates and baked in oxygen flame. (24.2) (Section 121.)	Laigle	10,810
23.5	Mantle; asbestos hardened with alkaline silicate and cerium oxide; bolt and bar supports; *see* G.B. 12,468/05. (Section 121.) ...	Delage	10,895
23.7	Gas mixing chamber; double valves on balance beam coupled to float. (21.4; 74.8)	Officer	11,111

Group 24.—Domestic Heating; Cooking.

24.2	Overhead heat-reflector and radiator, heated by downward bunsen flame; asbestos upper plate. (23.5) (Section 121.)	Rosenthal	10,650

Group 29.—Refrigeration.

29.4	Cycle of evaporation and absorption of ammonia gas by solid ammonium salts; plant diagram. (29.5)	Seay	10,379
29.5	Rotary agitating tanks with heat transfer tubes; for absorbing or vaporizing ammonia; &c.; trunnion couplings. (29.4) ...	Seay	10,379
29.7	Insulated cooling chests in series with shelf racks for chocolate trays; cold air circulation. (33.8; 34.8)	Sinclair	C.a.P. 9805

Group 30.—Ploughing.

30.3	Lifting plough beams, &c.; ratchet wheel and pawl and lever linked to both steering and land wheels	Grund	C.a.P. 9810

Group 32.—Harvesting.

32.3	Stripping hops; vines clamped to endless chains are carried between fixed rakes with V-loops; shaking screens and cluster cutters, &c. (11.3; 32.6)	Horst	10,813
32.6	Shaking screens of stretched wires for grading hops. (11.3; 32.3)	Horst	10,813

Group 33.—Tropiculture.

33.5	Spring valve or false bottom, to drain tobacco pipes; 3 designs ...	Osborn	C.a.P. 9011
33.8	Insulated cooling chests in series, with shelf racks for chocolate trays; cold air circulation. (29.7; 34.8)	Sinclair	C.a.P. 9805

Group 34.—Cereals, Vegetables, Fruit.

34.8	Insulated cooling chests in series, with shelf racks for chocolate trays; cold air circulation. (29.7; 33.8)	Sinclair	C.a.P. 9805

Group 38.—Fowling; Fishing; Trapping.

38.9	Glycerine jelly as a vehicle for vermin poison forming a bait ...	Scammell	9276

Group 44.—Boots and Shoes; Umbrellas.

44.5	Pull-over machine; upright last; four grippers act downwards along quadrant guides; tacking; general details	Stewart	C.a.P. 8945
44.5	Lasting machine; gripper-jaws closing and right or left work feeding mechanism; channel guide-rest, and rotating back rest. (78.1)	Seely	C.a.P. 9018

Group 47.—Leather and Plastics.

47.2	Hides cured with alum, &c., and waterproofed with vulcanized rubber; impregnating compositions; plant diagrams. (47.5) ...	Reddan	11,243
47.5	Hides cured with alum, &c., and waterproofed with vulcanized rubber; impregnating compositions; plant diagrams. (47.2) ...	Reddan	11,243

Complete Specifications Accepted—*continued.*

Group 48.—Paper; Bookbinding.

48.5 Assembling paper bags; banding packets; tying in bundles alternately arranged, &c. (57.4; 60.5) Stilwell 9958

Group 50.—Typographic Printing.

50.4 Copy holder and screen for typewriters; fixed above and hiding the keyboard from the operator Christie C.a.P. 10,460

50.5 Divided monotype mould blade, to cast low spaces, &c. Hall 11,046

Group 56.—Counting, Measuring, Weighing.

56.2 Displaying taximeter figures; divided folding number plates on counter gear; zero setting by helical axial cams, &c. (56.6) ... Richert 10,980

56.6 Vehicle taximeters; folding number plates; zero setting. (56.2) ... Richert 10,980

Group 57.—Packing, Compressing, Bottling.

57.2 Knock-down stave-and-hoop casks of concrete, armoured or otherwise; joints partly cemented with fat. (81.2) Petracchi 10,273

57.4 Assembling paper bags; banding packets; tying in bundles alternately arranged, &c. (48.5; 60.5) Stilwell 9958

Group 58.—Chains, Ropes, Wire.

58.3 Roller straightener and wire feeding brake. (58.5) Stonz C.a.P. 9058

58.5 Weaving continuous fabric of linked flat spirals; flat mandril rotating in spiral guide; stopping and starting clutch operating at fixed position; supporting hooks, &c. (58.3) Stonz C.a.P. 9058

Group 60.—Mechanism; Lubrication.

60.2 Disc and roller friction drive in explosive mill. (10.8; 62.7; 89.8) Auchu 11,078

60.5 Knot tying in paper bag packaging machine. (48.5; 57.4) ... Stilwell 9958

Group 62.—Power Storage.

62.7 Disc and roller friction drive in explosive mill. (10.8; 60.2; 89.8) Auchu 11,078

Group 66.—Gas and Oil Engines.

66.5 Diagram of suction air carbureting plant; air bubbled through oil on water. (21.4) Fleming C.a.P. 10,518

Group 74.—Pipes and Fittings.

74.8 Gas mixing chamber; double valves on balance beam coupled to float. (21.4; 23.7) Officer 11,111

Group 78.—Structural Hardware.

78.1 Tack feeding, delivering, and driving mechanism in boot machine. (44.5) Seely C.a.P. 9018

Group 79.—Paints, Adhesives, &c.

79.3 Paint mixer; oppositely rotating skeleton beaters with bevel gear. (10.8) Hemingway CaP 9399

Group 81.—Buildings, Streets, Fencing.

81.2 Knock-down stave-and-hoop casks of concrete, armoured or otherwise; joints partly cemented with fat. (57.2) Petracchi 10,273

81.6 Hot water circulation; concentric supply and return pipes; float cistern combinations Preston 11,977

Complete Specifications Accepted—*continued.*

Group 89.—War.

89.3	Bolt-action rifle; automatic bolt-lock; general details	Driver	11,082
89.8	Helical pug-mill squirter for explosive gelatine rope; safety friction driving; cooled packing worm. (10.8; 60.2; 62.7)	Auchu	11,078

Group 94.—Cycles.

94.9	Pedal clips; dovetail bars on boot sole, lock between pedal plates ...	Friend	11,115

Printed Specifications Published.

Vols. 26 to 32, comprising Applications numbered from 5000 to 6399, are now complete, with title pages, &c.

Vols. 33 to 35 comprise Applications from 6400 to 6999; between these numbers all Accepted Specifications are either printed or in the press.

The Complete Specifications are printed as soon as possible after acceptance, and copies forwarded to the places mentioned in p. 364, where they are open for *free* public inspection:—

A few Specifications numbered below 5000, and many of higher numbers than 7000, have also been issued, and are on sale at the Government Printing Office, Melbourne; price, One shilling each, post free. Consolidated lists are sent quarterly to the above places and later numbers are notified each week as available for purchase, as below:—

1906.

6200 to 6399. Vol. 32. The title sheet is now issued, and the volume is complete for binding, including void notes on separate sheets for the following applications:—6249-51, 6254-5, 6272, 6275-8, 6300-2, 6312-3, 6324-6, 6342-3, 6378.

7491. H. H. Taylor. *Chair seats.* Classes 45.1; 46.1.

7505. Harwood and Reed. *Supplying disinfectant.* Classes 74.8; 86.2.

7540. W. G. Templeton. *Weighing scale.* Class 56.8.

7546. V. B. Lamb. *Brake construction.* Class 96.6.

7548. G. G. Turri (Plaisdell and Brown). *Agitators.* Classes 10.8; 14.7; 59.9.

7580. J. Ost. *Sugar purification.* Classes 10.8; 11.3; 33.1.

1907.

7842. Neill and Watson. *Binder platforms.* Class 32.2.

7886. O. Blacket. *Window sashes.* Classes 78.7; 81.5.

7894. H. P. White. *Sulphureted hydrogen gas.* Classes 08.6; 21.1.

8019. G. Clark. *Interlocking walls.* Classes 81.1; 81.2.

8079. United Shoe Machinery Co. (Bates and Briggs). *Inserting fasteners.* Classes 44.5; 78.1.

8080. United Shoe Machinery Co. (Eppler). *Reinforcing insoles.* Class 44.5.

8140. E. B. A. Vogt and Others. *Stump jump implements.* Class 30.9.

8145. McMaugh and Welch. *Electric railroad signals.* Classes 98.2; 99.4.

8204. United Shoe Machinery Co. (Allen). *Sewing machines.* Classes 42.7; 44.5.

8206. S. W. Winslow (Rogers). *Buffing and abrading.* Classes 44.5; 75.2; 75.6.

8245. While and Davidson. *Helical springs.* Class 58.7.

8363. J. H. Miess. *Vapour burners.* Classes 23.3; 23.5.

8741. G. H. Olding. *Liquid distributing vehicles.* Classes 68.9; 86.5.

8786. W. A. Hendryx. *Filtering apparatus.* Classes 14.7; 28.1.

Printed Specifications Published—*continued.*

1906.

9146. G. S. STEVENSON. *Water wheels.* Classes 61.9; 67.5.
9204. E. N. WATERS (SURCOUF). *Road vehicles and trains.* Classes 95.7; 95.9; 96.3; 96.5.
9209. A. O. TATE. *Treating liquids electrolytically.* Class 07.5.
9225. A. G. KAUFMAN. *Bottle seals.* Class 57.5.
9249. T. WEST. *Estimating instrument.* Class 56.2.
9251. F. J. POTHS. *Resilient wheels.* Class 97.6.
9682. N. S. BÖK. *Elastic shaft and journalling devices.* Classes 36.6; 60.4.
9683. N. S. BÖK. *Journalling devices.* Classes 36.6; 60.4.
9684. C. M. CHAMBERLAIN. *Extraction apparatus.* Classes 14.7; 28.1.

Amended Specification.

1906.

7341. W. J. TEESE. *Milking apparatus.* Classes 36.1; 63.7.

Letters Patent Sealed.

Applications for enlargement of the time for payment of the renewal fee may be made on Form P; failing payment of the renewal fee the invention becomes public property.

The full particulars of name, title, &c., will be found in previous weekly Journals on the page quoted in the last column.

Names of actual inventors, communicators, assignors, &c., are added in parentheses.

No.	Date of Application.	Name of Grantee.	Country of Origin.	Abbreviated Title.	Page.
	1907.	*11th June, 1908.*			
7982	11 Feb.	A. F. Pritchard ...	N.S.W.	Metal ceilings, &c. ...	79
		12th June, 1908.			
8005	13 Feb.	W. Carver	S.A.	Cord carrier for blinds ...	709
8705	15 May	J. Gair	Vic.	Cattle cover	57
9982	10 Oct.	J. J. Williams	U.S.A.	Means for gymnastics ...	650
10,015	14 Oct.	J. S. Bagshaw & Sons Ld. (Bagshaw)	S.A.	Chaff-cutters	652
10,052	21 Oct.	C. N. Collison (Sutton, Steele, & Steele)	U.S.A.	Dry concentration of ores ...	667
10,060	21 Oct.	E. Bellini & A. Tosi ...	France	Wireless telegraphy ...	668
10,075	23 Oct.	J. Granger	N.S.W.	Removing cocoanut rind ...	834
10,079	24 Oct.	W. A. Cooke	N.Z.	Remedy for sea sickness ...	684

Letters Patent Sealed—*continued.*

No.	Date of Application.	Name of Grantee.	Country of Origin	Abbreviated Title.	Page.
	1907.	*13th June, 1908.*			
10,080	24 Oct.	Millar's Harvester Co. Ltd. (Millar)	N.Z.	Draught equalizing ...	684
10,104	29 Oct.	G. G. Turri (Burns) ...	N.Z.	Dividing dough, &c. ...	685
10,114	30 Oct.	J. Babé & H. Pape ...	Germany	Separating sulphurous acid	686
10,183	7 Nov.	C. G. & D. E. A. Jones & J. G. Stevens	N.Z.	Composition for pneumatic tyres	724
10,200	7 Nov.	H. P. Curtis	U.S.A.	Dry concentrators ...	725
10,229	13 Nov.	The New Oil Refining Process Ltd. (McMullen)	Eng.	Refining petroleum, &c. ...	727
10,252	18 Nov.	Fraser & Chalmers Ltd. (Robeson)	S. Af.	Lifting sand, &c. ...	743
10,316	27 Nov.	The Karsam Soap Co. Ltd. (Samuel & Lockwood)	Eng.	Soap & soap mixtures ...	760
		15th June, 1908.			
8012	15 Feb.	W. Haslam	Vic.	Vehicle wheels	669
8014	15 Feb.	E. D. M. Thomson ...	Vic.	Sterilizing	709
8068	22 Feb.	D. J. Havenstrite ...	U.S.A.	Ice making	107
8104	25 Feb.	A. C. Baronio (Baronio & Muirhead)	Eng.	Electric telegraphy ...	109
8547	24 Apr.	F. H. Murray	Qld.	Steel fencing dropper ...	390
8898	5 June	A. J. Fippard	Eng.	Hydraulic clutches ...	316
10,300	26 Nov.	A. D. Wilson	S. Af.	Separating precious stones	759
10,457	12 Dec.	H. M. Leslie	India	Filtering machine ...	810
		17th June, 1908.			
8102	25 Feb.	J. Larsen	Denmark	Welting machine	109
8103	25 Feb.	The Waterworks Lighting & Power Invest. Corp. Ltd. & S. G. Coulson	Eng.	Solidifying tar	109
8205	9 Mar.	Un. Shoe Mach. Co. (Shattuck)	U.S.A.	Pounding-up machines ...	139
8240	14 Mar.	J. H. J. Bowater ...	N.Z.	Castrating lambs ...	813
8332	26 Mar.	J. H. Warren, T. Blades, & J. Wren	Vic.	Railway signalling ...	173
8407	5 Apr.	A. H. Hobbs	S. Af.	Waggon and Scotch cart ...	833
8768	22 May	G. A. Chapman ...	N.S.W.	Mineral separation ...	93
8817	27 May	Leah Roberts	N.Z.	Dresscutting charts ...	296
9214	17 July	The Linotype Co. Ld. (Holliwell & Elliott)	Eng.	Linotype machines ...	424
9414	6 Aug.	A. R. Brown	Vic.	Preventing overwinding ...	687
10,109	30 Oct.	J. F. Linke & M. S. Noack	Vic. & S.A.	Disc ploughs	686
10,454	11 Dec.	J. F. Keene & W. D. Graham	Vic.	Feeding calves	834

Applications in respect of which Complete Specifications have been accepted, but on which no Patents have been Sealed.

No.	Date of Application.	Name of Applicant.	Country of Origin.	Abbreviated Title.	Page.
	1906.				
6525	27 July	C. Lowes	N.Z.	Discharging firearms ...	402
	1907.				
8020	16 Feb.	W. A. Martin	N.S.W.	Boot heel piece	394
8024	18 Feb.	J. H., R., & J. McEvoy ...	N.S.W.	Diggers' boots	91

VICTORIA.

PROCEEDINGS UNDER THE VICTORIAN "PATENTS ACT 1890."

Renewal Fees Paid.

1901.

No.	Name.	Paid up to—
18,248	Schofield, J.	24th June, 1915
10,256	Tucker, R. A., & Hickman, F.	25th June, 1915

QUEENSLAND.

PROCEEDINGS UNDER THE QUEENSLAND PATENTS DESIGNS AND TRADE MARKS ACTS, 1884 TO 1890.

Renewal Fees Paid.

1902.

No.	Name.	Paid up to –
6550	Page, F. W. ...	... 1st Apr., 1909
6767	Wass, A. G. ...	... 24th July, 1909

Assignment Registered.

1902.

6967. "Improvements in partially rotating valves for fluid pressure engines."

Assignment of the whole *by* William VIVIAN and James VIVIAN *to*

THE TUCKINGMILL FOUNDRY COY. LTD. Dated 4th Apr., 1908. Registered 3rd June, 1908.

GEORGE TOWNSEND,
Commissioner of Patents.

Printed and Published for the DEPARTMENT of PATENTS, COMMONWEALTH of AUSTRALIA, by J. KEMP, Government Printer for the State of Victoria.

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Vol. 6.—Applications and Proceedings, 1907

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I. Weekly advertisements of *Applications and Proceedings*. The issues are numbered and paged consecutively; the last number for the year contains notices up to the end of December, and is usually issued in the first week of January following; a Title Sheet with a Miscellaneous Index is issued (paged in roman numerals) shortly afterwards, completing the volume, which usually receives an *even* volume-number.

II. Annual *Statistics and Indexes* to Commonwealth and State applications and proceedings for the preceding year. Each part of the Indexes is issued in a green cover as soon as possible after compilation; the Parts have distinguishing letters on the covers, indicating the order of binding; Part A, containing the Statistics, is not necessarily the first part to be issued. This volume will usually receive an *odd* volume-number.

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IV. *Illustrated Abridgments* of Accepted Specifications are issued in sections of 16 pages in the same cover as the weekly portions. It is impracticable to make these correspond with the Calendar Year; they are to be detached from the proceedings and bound separately when complete. The sections are paged continuously at the foot.

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As set out in the Second Schedule to the Act.

	£	s.	d.
On filing application for patent ...	1	0	0
On acceptance of complete specification	2	0	0
For preparation of patent for sealing ...	5	0	0
On the expiration of the seventh year of the period of the patent	5	0	0
On filing notice of opposition	2	0	0

Fees payable on and in connexion with Letters Patent in addition to those set out in the Second Schedule to the Act.

	£	s.	d.
1. On filing application for an additional patent with provisional specification	0	10	0
2. On filing complete specification after provisional specification for an additional patent	1	0	0
or			
3. On filing application for additional patent accompanied by a complete specification	1	10	0
4. For preparation of additional patent for sealing	2	10	0
5. Renewal fee for additional patent ...	2	10	0
6. On appeal from Commissioner to Law Officer	3	0	0
7. On appeal from Commissioner to the Court	3	0	0
8. On hearing by Commissioner in opposition cases. By applicant and opponent respectively	1	0	0
9. Application to amend specification. Before sealing	2	0	0
10. Application to amend specification. After sealing	3	0	0
11. On lodging notice of opposition to amendment	2	0	0
12. On hearing by Commissioner of application to amend. By applicant and by opponent respectively ...	1	0	0
13. On application to amend specification during action or proceeding ...	3	0	0
14. On Enlargement of time for Payment of Renewal Fees—			
Not exceeding three months ...	2	0	0
Not exceeding four months ...	2	13	4
Not exceeding five months ...	3	6	8
Not exceeding six months ...	4	0	0
Not exceeding seven months ...	4	13	4
Not exceeding eight months ...	5	6	8
Not exceeding nine months ...	6	0	0
Not exceeding ten months ...	6	13	4
Not exceeding eleven months ...	7	6	8
Not exceeding twelve months ...	8	0	0
15. For every entry of an Assignment, Transmission, Agreement, Licence, or Extension of Patent	1	0	0
16. For duplicate of Letters Patent each	2	0	0
17. Search or inspection fee ... each	0	1	0
18. Annual search fee	5	0	0
19. Office copies of documents, for every 100 words, but never less than one shilling	0	0	6
20. For office copies of drawings, sun prints per sheet	0	1	0
21. For certifying office copies, MSS. or printed each	0	5	0
22. For certificate of Commissioner under section 28	0	10	0
23. For altering address in Register ...	0	10	0
24. For correction of clerical error, before sealing	0	5	0
25. For correction of clerical error, after sealing	0	10	0
26. For correction of clerical error in Register	0	10	0
27. For enlargement of time for lodging complete specification	1	0	0
28. For enlargement of time for acceptance of Complete Specification—			
Not exceeding one month ...	1	0	0
Not exceeding two months ...	2	0	0
Not exceeding three months ...	3	0	0
29. On application to lodge further evidence in Opposition Cases by person making application	2	0	0
30. On hearing by Commissioner. By applicant and by opponent respectively	1	0	0
31. On appeal from Commissioner to the High Court	5	0	0
32. On application to Court for extension of patent	10	0	0
33. On entering caveat	5	0	0
34. On application for a compulsory licence. By person applying ...	5	0	0
35. On opposition to grant of compulsory licence. By opponent ...	3	0	0
36. Fee for registration as a Patent Attorney	5	0	0
37. Annual fee payable by a Patent Attorney	2	0	0
38. Examination entry fee by candidate for Patent Attorney's examination	2	0	0